OURNAL OF HIGHWAY RESEARCH



UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PUBLIC ROADS



VOL. 15, NO. 8

OCTOBER 1934



HIGHWAY USERS CONTRIBUTE LARGE SUMS TO PUBLIC REVENUE

PUBLIC ROADS *** A Journal of Highway Research

Issued by the

UNITED STATES DEPARTMENT OF AGRICULTURE BUREAU OF PUBLIC ROADS

Volume 15, No. 8

October 1934

The reports of research published in this magazine are necessarily qualified by the conditions of the tests from which the data are obtained. Whenever it is deemed possible to do so, generalizations are drawn from the results of the tests; and, unless this is done, the conclusions formulated must be considered as specifically pertinent only to described conditions

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THE TAXATION OF MOTOR VEHICLES IN 1932

DIGEST OF A REPORT RESULTING FROM A SPECIAL STUDY BY THE U.S. BUREAU OF PUBLIC ROADS

Reported by G. P. ST. CLAIR, Associate Highway Engineer

URING the summer of 1933 a survey was inaugurated by the Bureau of Public Roads for the purpose of determining the total of all special taxes imposed on the owners of motor vehicles in the The calendar year 1932 was the most United States. recent year which could be studied. A large volume of data was gathered and the work of analysis was not completed until the summer of 1934. A full report of this project is in course of publication, but will not be available in the immediate future. This article is a digest motor vehicles involved a careful and detailed examinaof the essential information produced by the survey.

The effort was made to have the survey as complete as possible, covering all classes of taxing jurisdictions. State taxation of motor vehicles has been adequately reported in past years in the annual compilations of State reports on registration, registration receipts, and gasoline taxes, published by the Bureau. Other agencies, including Government bodies, industrial organizations, and students of taxation, have published figures on the various kinds and amounts of motor-vehicle taxes. The present survey is the broadest in scope vet attempted, as it includes not only State taxes, but also Federal excise taxes, county and municipal taxes, personal-property taxes on motor vehicles imposed by State, county, and municipal jurisdictions, and public bridge tolls. Only the public charges

berne directly by the motor payments, and a short vehicle owner were included in the survey totals. study was made in the Washington office of available borne directly by the motor Purposely excluded from the investigation were such indirect charges as automobile dealers' licenses, fines and penalties, real-property taxes on automotive property (factories, garages, truck and bus terminals, etc.), income taxes on motor-vehicle operating enterprises, State chain-store and retail-sales taxes applying to gasoline stations and dealers in automobiles and automotive equipment, and similar imposts which are not levied directly on the ownership and operation of

motor vehicles.

¹ The survey was carried on under the joint supervision of H. S. Fairbank, Chief of the Division of Information, and E. W. James, Chief of the Division of Highway Transport. The work of organizing and directing the field force of statisticians during the summer of 1933 was conducted by H. H. Kelly, of The Division of Highway Transport, and Prof. J. Trueman Thompson, of the Johns Hopkins University. The analysis and compilation of the data were made by H. H. Kelly, A. C. Rose, G. P. St. Clair, L. A. Abbot, and L. S. Tuttle. The material on personal property taxation of motor vehicles was prepared by H. R. Briggs.

The field work was conducted by a force of statisticians, employed through 11 district offices of the Bureau and operating under detailed instructions prepared by the Washington office. The chief statistician in each State was usually a person employed in an administrative office of the State dealing with regulation of motor vehicles, a former employee, or other person thoroughly familiar with the State records.

The work of compiling the data on State taxation of tion of the records of the motor-vehicle department

and, in some cases, of other agencies, such as public service commissions regulating for-hire carriers. The work of obtaining data on county and municipal special taxes and personalproperty taxes was more difficult, and, necessarily. the results were less complete. While much information was obtained by interviewing State tax officials and by examining the records of central accounting systems, the bulk of the material was derived from answers to questionnaires mailed to county and municipal officials, requesting specific information on local registration and taxation of vehicles.

In the survey as conducted no data were obtained on the payments by motorists of tolls on public bridges and ferries. In order to make the record of motor-vehicle taxation as complete as possible, it was decided to include such

data on the subject.

REGISTRATION AND TAXATION OF MOTOR **VEHICLES IN 1932** STATE FEES AND TAXES

	Vehicles reg- istered and tax-paid	Registration fees paid
Registration:		
Passenger cars, including taxicabs	20, 836, 362	\$214, 725, 478
Busses	49, 452	3, 416, 697
Trucks and tractor trucks	3, 229, 315	71, 204, 768
Trailers and semitrailers	415, 276	3, 515, 345
Motorcycles	89, 197	326, 889
Total	24, 619, 602	293, 189, 177
Special motor-vehicle carrier fees		5, 230, 792
State gasoline taxes		513, 047, 239
Operators' and chauffeurs' licenses		18, 280, 802
Miscellaneous fees and taxes		9, 082, 968
All State fees and taxes		838, 830, 978
ALL FEES AND	TAXES	

Federal manufacturers' excise taxes	\$92, 378, 000
State fees and taxes	838, 831, 000
County fees and taxes (incomplete)	1,703,000
Municipal fees and taxes (incomplete)	14, 158, 000
Personal property taxes, all jurisdictions (approximate)	35, 880, 000
Public bridge and ferry tolls (incomplete)	18, 200, 000
Grand total	1,001,150,000

RESULTS OF SURVEY SUMMARIZED

The total payments of motor-vehicle taxes, Federal, State, and local, as reported in the 1932 survey, are shown in the tabulation given above. It will be observed that public bridge tolls and county and municipal fees and taxes are marked as incomplete, and that personal-property taxes are marked as approximate. Of these, all totals except that for personal-property taxes are undoubtedly less than the actual payments of such taxes in 1932. The replies to questionnaries on county and municipal taxes were incomplete, as was also the information obtained on the subject of bridge tolls. In the case of personal-property taxes a very

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thorough study was conducted, and estimates, based on the best information which could be found, were made in cases where the data were not complete. For this reason it is believed that the total payments of personal-property taxes in 1932 were not in excess of the amount tabulated.

The number of vehicles (including motorcycles and trailers and semitrailers) reported by the States as registered and tax-paid in 1932 was 24,619,602. The total motor-vehicle tax payments recorded in the survey were slightly more than a billion dollars, or \$40.66 per vehicle.

Payments to the State governments, chiefly in the form of registration fees and gasoline taxes, constitute the great bulk of motor-vehicle tax payments. The 1932 total, as reported in the survey, amounted to \$838,830,978. In the reports submitted by the statisticians, registrations and payments of registration fees were classified by type of vehicle, class of service, and, in the case of busses, trucks and tractor trucks, and trailers and semitrailers, by size—either by rated capacity or by weight classifications. A similar break-down of payments of special fees by commercial carriers was

given in some States, but others failed to classify such payments completely.

In order to reduce the reported figures to a uniform scheme, so that national totals, averages, and percentages might be obtained, a system of approximations was adopted which involved conversions from gross, net, or chassis weight of vehicle to rated capacity and the classification of registered vehicles and corresponding payments in certain chosen capacity groups. It was also decided to estimate the payments of gasoline taxes by the different types, classes, and sizes of vehicles. A systematic method of approximation was adopted and applied to the reported payments of gasoline taxes in all the States. The methods used in this work are discussed later in the report.

STATE FEES AND TAXES SUMMARIZED

Table 1 gives the total number of vehicles of each type and class of service reported in the survey as registered and paying regular fees in 1932, together with corresponding payments of registration and special fees, and estimated gasoline tax payments. Publicly owned and tax-exempt vehicles, where separately reported, were excluded from the tabulation. Averages per vehi-

Table 1.—State taxes imposed on motor vehicles in 1932; national totals, averages, and percentages for vehicles of different types and classes

	Vambor	Per- Regular registration fees Estimated payments of gasoline taxes Spec		of gasoline	Special	All fees and taxes						
Type of vehicle and class of service	Number registered	distri- bution	Amount collected	Average per ve- hicle	Percent- age dis- tribution	Amount	Average per ve- hicle	Percent- age dis- tribution	fees and taxes ²	Amount	Average per vehicle	Percent- age dis- tribution
Passenger cars 3	20, 759, 140 77, 222	84. 32 . 31	\$213, 357, 330 1, 368, 148	\$10. 28 17. 72	72. 89 . 47	\$375, 082, 015 4, 682, 742	\$18. 07 60. 64	73. 11 . 91	\$117, 997	\$588, 439, 345 6, 168, 887	\$28.35 79.89	72. 51 . 76
Passenger cars and taxicabs	20, 836, 362	84. 63	214, 725, 478	10.31	73. 36	379, 764, 757	18. 23	74. 02	117, 997	594, 608, 232	28.54	73. 27
Busses: School 5 Contract, including sight-seeing 6 Public-carrier	9, 813 3, 314 36, 325	. 04	211, 633 157, 395 3, 047, 669	21. 57 47. 49 83. 90	. 07	384, 393 331, 783 5, 382, 256	39. 17 100. 12 148. 17	. 07	17, 372 2, 287, 216	596, 026 506, 550 10, 717, 141	60. 74 152. 85 295. 03	.06
All busses	49, 452	. 20	3, 416, 697	69. 09	1. 17	6, 098, 432	123, 32	1.19	2, 304, 588	11, 819, 717	239. 01	1.46
Trucks and tractor trucks: Privately owned and operated? Contract-carrier! Common-carrier	3, 144, 704 69, 840 14, 771	12.78 .28 .06	68, 113, 536 2, 174, 537 486, 474	21. 66 31. 14 32. 93	23. 27 . 74 . 17	121, 046, 779 4, 361, 227 1, 153, 663	38. 49 62. 44 78. 10	23. 60 . 85 . 22	1, 886 ° 1, 112, 015 ° 1, 107, 187	189, 162, 201 • 7, 647, 779 • 2, 747, 324	60. 15 108. 35 183. 49	23. 3: . 9- . 3:
All trucks and tractor trucks.	3, 229, 315	13. 12	70, 774, 547	21, 92	24. 18	126, 561, 669	39. 19	24. 67	2, 221, 088	199, 557, 304	61.80	24. 5
Trailers and semitrailers: Privately owned and operated 11 Contract-carrier 12 Common-carrier 13	5,008	1. 65 . 02 . 02	179, 007	7. 71 35. 74 34. 15	1. 07 . 06 . 05				132, 315	3, 134, 711 311, 322 524, 326	7. 71 62. 16 136. 65	.3
All trailers and semitrailers	415, 276	1.69	3, 444, 759	8.30	1.18				525, 600	3, 970, 359	9. 56	. 4
Motorcycles	89, 197	. 36		3. 66	. 11	622, 381	6, 98		562, 306		10.64	.1
All vehicles	24, 619, 602	100.00	292, 688, 370	11.89	100.00	513, 047, 239	21. 20	100.00	5, 731, 599	811, 467, 208	32.96	100. 0
Miscellaneous fees and taxes: Operators' and chauffeurs' licenses	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~									18, 280, 802 9, 082, 968		
Total										. 27, 363, 770	1.11	
Grand total, all fees and taxes										. 838, 830, 978	34. 07	

In the case of contract and common carriers of property, registration fees in excess of those based on the rate charged private carriers have been deducted and included with special fees. Total payments of registration fees were \$293,189,177, as shown in the box on page 185.

Includes \$500,807 in excess registration fees were \$293,189,177, as shown in the box on page 185.

Includes \$500,807 in excess registration fees paid by contract and common carriers of property, \$2,499,783 in mileage, ton-mile, and passenger-mile taxes, \$1,323,413 in receipts taxes, and \$1,447,596 in other special fees, including franchise fees, privilege taxes, fees for certificates of convenience and necessity, etc.

Includes taxicabs and other for-hire passenger cars in 20 States for which this item could not be segregated. Hearses and ambulances, where reported separately, have been included with passenger cars.

Totals for 27 States and the District of Columbia. Includes livery cars, U-drive-it cars, and other for-hire passenger cars. In the case of California, taxicabs were included with light delivery trucks.

Totals for 16 States. In other States either there were no tax-paid school busses or they were included with other registration classifications, chiefly public-carrier busses.

[•] Totals for 19 States and the District of Columbia. In other States contract and sight-seeing busses either were not reported or were included with other registration classifications, chiefly public-carrier busses.

7 Includes contract carriers in 25 States and the District of Columbia and common carriers in 14 States and the District of Columbia, which did not report these classes

^{**}Pinctudes contract carriers in 20 states and the District of Columbia and common carriers in 14 States and the District of Columbia, which did not report these classes separately.

Totals for 23 States. (See footnotes 7 and 9.) Includes common carriers in 3 States (Arkansas, Ohio, and West Virginia) which reported these classes together.

**These items include payments of special fees to the amount of \$90,701 by contract carriers in Montana, Oklahoma, and South Dakota, and \$36,971 by common carriers in South Dakota, which were not segregated from privately owned and operated trucks. The numbers of these vehicles and their payments of registration fees and gasoline taxes are included with private trucks. Averages per vehicle, for the items noted, were based on the payments by the 69,840 contract carriers and 14,771 common carriers regularly listed.

Totals for 30 States. (See footnotes 7 8 and 9.) Measselvestts reported contract carriers by the common carriers in the district carriers and 14,771 common carriers in the common carriers and 14,771 common carriers are carriers and 14,771 common carriers

ularly listed.

19 Totals for 30 States. (See footnotes 7, 8, and 9.) Massachusetts reported contract carriers, but no common carriers.

11 Includes contract carriers in 24 States and the District of Columbia, and common carriers in 17 States and the District of Columbia, which did not report these classes are the property of the pr

cle and the percentage distributions of registrations and payments are also given. In this tabulation payments of registration fees by contract and common carriers of property in excess of those based on the rates charged private carriers have been deducted from registration fees and placed with special fees and taxes.

Examination of the percentages given in table 1

reveals the following facts:

1. The owners of passenger cars, which constituted 84.3 percent of all vehicles, paid 72.9 percent of the registration fees and 73.1 percent of the gasoline taxes.

2. Taxicabs, reported separately from passenger cars in 27 States and the District of Columbia, comprised 0.3 percent of the vehicles; they contributed 0.5 percent of the registration fees and 0.9 percent of the gasoline

3. Motor busses, which included 0.2 percent of the vehicles, contributed 1.2 percent of the registration-fee payments and 1.2 percent of the gasoline taxes.

4. Motor trucks and tractor trucks, comprising 13.1 percent of the vehicles, paid 24.2 percent of the registration fees and 24.7 percent of the gasoline taxes.

5. Trailers and semitrailers constituted 1.7 percent of the vehicles and paid 1.2 percent of the registration fees.

Motorcycles, constituting 0.4 percent of the vehicles, contributed 0.1 percent of the registration fees and 0.1

percent of the gasoline taxes.

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Special fees to the amount of \$5,230,792 were collected from operators of vehicles for hire and, in a few States, from certain classes of private operators. These imposts took the form of mileage, ton-mile, or passenger-mile taxes, receipts taxes, special weight or capacity taxes, franchise fees or privilege taxes, permit fees, and fees for certificates of convenience and To this amount must be added \$500,807 in excess registration fees paid by for-hire carriers of property (fees in excess of those calculated on the private-carrier rate). If the special fees are added to the registration fees and gasoline taxes, it is found that busses contributed 1.5 percent and trucks and trailers 25.1 percent of all fees and taxes directly imposed on motor vehicles in 1932.

AVERAGE PAYMENTS SHOW SHARP INCREASE WITH SIZE OF VEHICLE

As the weight or capacity of vehicles increases there is, in general, a steady rise in the average fees paid. In table 2 the variation of average payments of registration fees, gasoline taxes, and all fees and taxes is shown for public-carrier busses, for all trucks and tractor trucks, and for all trailers and semitrailers. These are national averages for 1932, based on data obtained in the survey.

CONCLUSIONS AND COMMENTS

The complexity of the motor-vehicle tax situation in the United States makes it very difficult to draw any conclusions which are both definite and generally applicable. The following statements, however, are supported by the data gathered in this survey

1. There is an extraordinary lack of uniformity among the States, both in the methods of motor-vehicle taxation and in the magnitudes of the rates charged. The greatest variation was found in the bases on which registration fees were charged, including gross weight, net weight, chassis weight, capacity, horsepower, value, and various combinations of these factors. The general adoption of a common basis for registration fees is desirable.

Table 2.—Average payments, in 1932, of registration fees, gasoline taxes, and all fees and taxes, by vehicles of different rated capacities

PUBLIC-CARRIER BUSSES

Rated capacity	Registra- tion fees ¹	Gasoline taxes	All fees and taxes ²
Passengers: 7 or less	\$25, 84	\$52, 50	\$104, 77
	57, 39	123, 13	234, 50
	99, 20	170, 26	329, 98

ALL TRUCKS AND TRACTOR TRUCKS

	1	
\$15.51	\$36, 16	\$51, 85
38, 21	46. 33	85, 92
67. 33	59, 89	130, 40
97. 57	68. 10	168, 49
113.89	81.12	199.60
	38. 21 67. 33 97. 57	38. 21 46. 33 67. 33 59. 89 97. 57 68. 10

ALL TRAILERS AND SEMITRAILERS

ons:	\$3, 34	\$3. 43
1½ and less		 \$3. 47
Over 1½ and less than 3	14.08	 15. 63
3 and less than 5	36. 46	 41.7
5	59, 21	 69. 33
Over 5.	70. 55	 92.3

! Excess registration fees paid by for-hire carriers of property were included in the alculation of these averages.
! Includes special fees.

2. The principle that registration fees should increase with the size of the vehicle, as measured by weight, carrying capacity, horsepower, or cost, is recognized in the laws of all States, the only exception being the District of Columbia, in which a uniform fee of \$1 is charged. There is great variety in the application of this principle; in some States the increase of registration fees with size is relatively moderate, while in a few the range is very wide, registration fees in excess of \$1,000 being charged against the heaviest vehicles.

3. There is a noticeable tendency for the taxation imposed on motor vehicles to be relatively high in those States in which the intensity of motor-vehicle ownership is low, as indicated by a relatively large number of persons per vehicle. This condition was particularly noted in the Southern States, where the mileage of roads to be improved and maintained is very large in relation to the number of motor vehicles registered.

4. The imposition of unusually high registration fees on heavy vehicles, particularly trucks, in a few States, combined with high gasoline taxes, has apparently discouraged the registration of such vehicles, with the result that the high rates were productive of little

revenue in 1932.

5. Comparison of the number of heavy trucks registered in certain States with the existing mileage of high-type roads and particularly of portland cement concrete roads, in the same States, leads to the conclusion that such roads have been built primarily in response to the demands of traffic in general, rather than specifically to support heavy loads.

 Approximately 9 percent of the revenues derived from State motor-vehicle and gasoline taxes in 1932 were diverted to uses not related to roads and streets. The principal items of diversion included payments to general funds, \$39,652,339; unemployment relief,

\$19,546,456; and schools, \$14,522,113.

7. Fees and taxes imposed on motor vehicles by counties in 1932 were negligible in comparison with those imposed by other jurisdictions, the total reported

being less than \$2,000,000. Such taxes were found in only 5 States. Fees imposed by municipalities were found in 39 States, and the total amount reported was over \$14,000,000.

8. Personal-property taxes were imposed on motor vehicles by either State, county, or local authorities in 31 States and the District of Columbia, the estimated collections being in the neighborhood of \$36,000,000. Because of difficulties in assessment and collection the personal-property tax as ordinarily administered is not effectively applied to motor vehicles. Five States and the District of Columbia require that evidence of tax payment be presented before licenses are issued to vehicle owners, thus insuring full collection for all registered vehicles. Seventeen States, containing 46 percent of all registrations, exempted motor vehicles from taxation as personal property.

1933 REGISTRATIONS AND PAYMENTS COMPARED WITH THOSE OF

In table 3 a comparison is made between the payments by motor vehicles in 1932, as given by the survey (plus certain other items) and the data on State motor-vehicle and gasoline taxes for 1933, given in the annual tables published by the Bureau,2 together with the 1933 payments of Federal excise taxes relating to motor vehicles. No data were obtained on payments in 1933 of county and municipal fees and taxes, personal-property taxes or public bridge tolls, and for this reason no total is given for 1933.

The data for the 2 years are not comparable in all respects because of differences in the manner of reporting; for example, eight States reported busses with trucks in 1933. In order to make the comparison as close as possible, certain modifications have been made in the manner of presenting the 1932 data. the 1933 table special fees paid in lieu of registration fees in California, Maryland, and South Carolina were tabulated as registration fees. To conform with this procedure, similar payments in 1932 have been deducted from special fees and added to registration fees, the States concerned being those given above and West Virginia. Certain items have been added which were omitted from the 1932 survey totals because they were not regarded as direct taxes imposed on motor-vehicle owners. These include dealers' licenses, certain miscellaneous receipts of the motor-vehicle departments, including fines and penalties in a number of States, and miscellaneous receipts connected with the administra-These additions were tion of the gasoline-tax laws. made in order that the tabulation for 1932 should conform with the published data for 1933.

In comparing vehicle registrations in the 2 years, we find that there was a small decrease in the total number registered, the greatest change being in pas-senger vehicles. Trailers show a considerable increase. Similar changes occurred in payments of registration fees, although motorcycles show an increase in registra-tions and a decrease in payments. There was a reduction of 0.9 percent in total registrations and of 8.0 percent in total payments of registration fees.

The relatively large decrease in payments of registration fees was caused by changes in the rates charged.

Table 3.—Comparison of motor-vehicle tax payments in 1932 and 1933

Item	1932	1933	Increase or decrease in 1933
Vehicles registered: Passenger vehicles Trucks and tractor trucks. Trailers and semitrailers. Motorcycles	20, 885, 814 3, 229, 315 415, 276 89, 197	20, 600, 543 3, 226, 747 472, 789 91, 987	-285, 271 $-2, 568$ $+57, 513$ $+2, 790$
All vehicles	24, 619, 602	24, 392, 066	-227,536
Registration fees: ³ Passenger vehicles ⁴ Trucks and tractor trucks. Traiters and semitrailers. Motorcycles. All vehicles	\$218, 907, 499 71, 444, 038 3, 682, 872 326, 889 294, 361, 298	\$195, 841, 695 ² 70, 298, 260 4, 298, 007 320, 853 270, 758, 815	-\$23, 065, 804 -1, 145, 778 +615, 135 -6, 036
Special taxes paid by commercial carriers *. Operators' and chauffeurs' licenses Certificates of title	4, 058, 671 18, 280, 802 4, 340, 239	5, 398, 154 18, 075, 282 3, 507, 984	+1, 339, 483 -205, 520 -832, 255
Dealers' licenses and plates ⁵	1, 913, 977	1, 596, 647	-317,330
Included in 1932 survey	4, 742, 729 3, 020, 457 514, 138, 900	8, 755, 337 519, 403, 450	+992, 151 +5, 264, 550
All State fees and taxes. County fees and taxes (incomplete) Municipal fees and taxes (incomplete) Personal-property taxes (estimated) Federal excise taxes 7 Public-bridge and ferry tolls (incomplete)	14, 157, 822	244, 825, 000	-17, 361, 404 +152, 447, 002
All fees and taxes	1, 007, 175, 772		+135, 085, 598

¹ Includes private passenger cars, taxicabs and other cars for hire, and busses.
² Busses registered with trucks in eight States.
³ Includes special fees (receipts taxes, ton-mile taxes, and passenger-mile taxes) paid by common-carrier trucks and trailers and public-carrier busses in lieu of registration fees. Amounts: In 1932, \$1,172,121 paid in California, Maryland, South Carolina, and West Virginia; in 1933, \$1,033,931 paid in California, Maryland, and South Carolina.
⁴ Special taxes paid in lieu of registration fees deducted. The 1933 figures are incomplete, as a number of States imposing special taxes failed to report them.
⁵ Not included in 1932 survey total.
⁵ Includes item "other receipts under tax law", \$1,091,661 in 1932, and \$1,207,738 in 1933. This item was not included in the 1932 survey total.
⁵ Includes Federal excise taxes on gasoline, lubricating oil, tires and inner tubes, automobiles, motorcycles and trucks, and parts and accessories. Deductions made to allow for nonmotor-vehicle use of gasoline and oil.

Drastic reductions in the rates of registration fees wer made in Arkansas, Georgia, Kansas, Minnesota, Nebraska, and South Dakota, and moderate reductions in a number of other States.

There was an increase in the payments of special fees by commercial carriers. This was caused partly by increased revenues from existing taxes and partly by the fact that the number of States regulating and taxing for-hire operations was increased, Maine and New Hampshire having enacted laws effective in 1933. There were also changes in existing laws and taxes relative to such operations in a few States.

The collections of Federal excise taxes on motor vehicles were much greater in 1933 than in 1932. The taxes were in effect only for slightly more than 6 months in 1932; and the tax on gasoline was increased from 1 cent to 1½ cents per gallon, effective June 17, 1933, reverting to 1 cent on January 1, 1934.

It has been pointed out that the reported figures for county and municipal taxes on motor vehicles in 1932 and for public-bridge tolls are incomplete, while that for personal-property taxes is an approximation believed to be nearly correct. There is no reason to believe that there was a decrease in these items for which no data were obtained in 1933. If we assume for the purpose of comparison that they were the same in both years, we find that the payments of motorvehicle taxes in 1933 exceeded those of 1932 by more than \$135,000,000.

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² Table G-1, State Gasoline Taxes, 1933, was published in Public Roads, vol 15, no. 5, July 1934, and tables MV-1 and MV-2, giving State motor-vehicle registrations and fees were published in Public Roads, vol. 15, no. 7, September 1934.

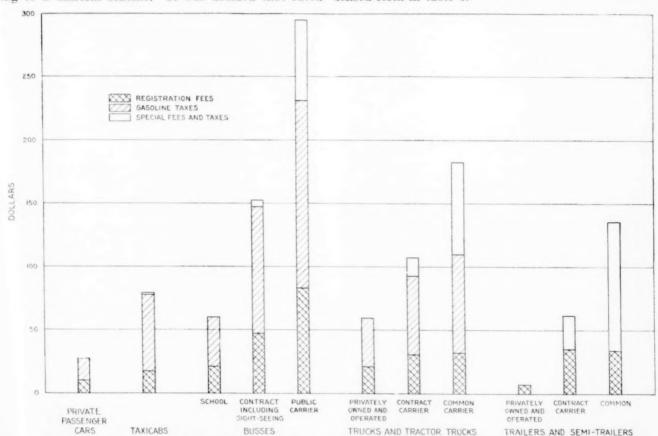
STATE FEES AND TAXES

METHOD OF ANALYSIS DESCRIBED

The diverse character of the reports submitted for the 48 States and the District of Columbia imposed a difficult problem of analysis. The object was to reduce all the reports to a uniform basis, in order to obtain comparable figures for each State and to assemble the data in the form of national statistics for different types, classes, and sizes of vehicles. In order to do this it was necessary to make use of certain systematic approximations. The methods used are discussed in detail in the complete report and can only be described briefly here.

Uniform classification of registrations and fees.—The first of these approximations was occasioned by the necessity of tabulating vehicles of different sizes according to a uniform scheme. It was decided that rated densed form in table 4.

In the case of those States which reported vehicles by gross, net, or chassis weight, it was necessary to make conversions into equivalent rated capacity. There is, of course, a considerable range in the net weights of trucks of a given capacity, and also in the gross loads for which, under a given law, they may be taxed. The effort was made, by a study of existing records and by consultation with representatives of the industry, to develop relations between weight and capacity which would represent average conditions, and would, therefore, give a reasonably accurate distribution of vehicles by capacity in those States which reported a weight classification. As an example, the conversion table developed for trucks is given in condensed form in table 4.



Comparison of Average Payments of State Fees and Taxes in 1932 by Vehicles of Different Types and Classes of Service.

capacity rather than gross or net weight should be the basis of classification. For busses the following grouping by passenger-seating capacity was adopted:

7 or less 8 to 20 Over 20

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Trucks, tractor trucks and trailers and semitrailers were arranged in the following groups according to rated capacity in tons:

1½ or less Over 1½ and less than 3 3 and less than 5 5 Over 5 A considerable number of the States which reported trucks and trailers according to rated capacity listed them by ton or half-ton groups, or otherwise in such a manner that both the numbers registered and the fees paid could be assembled in the five capacity groups or "brackets" adopted as the basis of classification. Others, however, reported capacity groups which were inconsistent with the chosen scheme. To take care of these cases it was necessary to devise methods of breaking down and rearranging both numbers registered and fees paid. The methods used in grouping the numbers registered were based on certain general relations between the numbers of vehicles of each tonnage, or of each capacity group, determined by analysis of the data for those States which reported trucks and

Table 4.—Approximate relations between manufacturers' rated capacity, chassis weight, net weight, and gross laden weight of trucks ¹

	Net weight		0	
Manufacturers' rated capacity (tons)	Chassis only	Chassis and body	Gross weight	
	Pounds	Pounds	Pounds	
	3,000	4,000	6, 00	
	4, 000 6, 000	5, 600 8, 200	9, 60 14, 20	
	7,600	10,000	18, 0	
	9,000	11,680	21, 6	
	12,000	15, 200	29, 2	
	14, 000	18,000	38, 0	

Condensed from full table given in complete report.

trailers by separate tonnages or by capacity groups consistent with those adopted.

In apportioning the fees paid it was necessary to adopt a method consistent with the scheme of rates imposed by the State. In the case of those States where a flat fee was charged each of the tonnage groups separately reported, it was only necessary to make the break-down of fees proportional to the break-down of registrations. In the case of those States which imposed registration fees directly proportional to the weight of the vehicle, it was necessary to take account of this variation in the breakdown of fees.

In the work of arranging vehicles and their fees in uniform classifications two rigid requirements were set:
(1) The resulting distribution must be entirely consistent with the original data; (2) the distribution must also, within the limits set by the first requirement, be a reasonable or plausible one, conforming as closely as possible to the national trends. In most States there was surprisingly little room for guesswork if both these requirements were to be fulfilled.

Little difficulty was experienced in arranging busses by passenger capacity; conversions from weight group-

ings were necessary only in a few States.

Estimate of motor-fuel tax payments.—Any attempt to investigate the payments of fees and taxes by different classes and sizes of motor vehicles would be very incomplete without some sort of estimate of the distribution of gasoline tax payments among the several groups. It was decided, therefore, to make certain assumptions regarding the annual mileage traveled and the rate of fuel consumption for each type of vehicle, class of service, and capacity group. The table "State Gasoline Taxes—1932", published by the Bureau, gives for each State the net tax earning and also the total gallons taxed. The procedure adopted was to compute, for each State, the total gallons consumed by all vehicles registered and tax-paid in each type, class, and capacity group, according to the assumptions made regarding annual mileage and rate of fuel consumption. The total gallonage thus obtained was then corrected by a factor to equal the taxed gallonage reported by that State, and the same factor was applied to all the individual items of gallonage. The corrected items were then multiplied by the tax rate to estimate the amounts paid by each type, class, and capacity group, the summation of these amounts equaling the total gasoline-tax earnings in that State in 1932.

The assumptions made regarding average annual mileage and average rates of gasoline consumption are given in table 5. It is not to be supposed that these assumed values are arbitrary. They were arrived at as a result of a study of available data on the subject, and will be fully discussed in the complete report. The fact that, for each State, the computed gallonages

were adjusted so as to add up to the total taxed gallonage tends to make the individual State figures more nearly correct than the assumed average values.

Allocation of special fees.—In every State but one, payments of registration fees were listed in the same detail as were the numbers of vehicles registered. Such was not the case with the special fees paid by for-hire carriers. Although many of the States listed such payments in detail by weight or capacity groups, there were a considerable number which reported only totals for a given group of vehicles, such as common-carrier trucks or public-carrier busses, and a few which listed their special fees in even less detail. In order to give as complete a picture as possible of the payments by vehicles in each capacity group, it was decided to allocate payments of special fees in all cases where a reasonable basis could be found for making such a distribution.

In general, ton-mile taxes were allocated in proportion to the rated capacities of the vehicles concerned; this procedure is in line with the assumption of the same average annual mileage for all trucks in a given class of service, regardless of capacity. Similarly, passenger-mile taxes were allocated in proportion to seating capacity, with the exception that busses of seven passengers or less were given a weighting of 0.8, to allow for their assumed annual mileage of 20,000 as compared with 25,000 for busses of more than 7-passenger capacity.

A number of States impose taxes on the basis of miles traveled, the rate generally increasing with the carrying capacity. In most of these cases the amounts paid were given in detail; where totals only were given, the allocations were made in proportion to the numbers of vehicles and the rates per mile.

Receipts taxes were also allocated in proportion to carrying capacity. The reason for this procedure is not so plain as it is in the case of ton-mile or passenger-mile taxes. However, if annual mileage is assumed to be independent of capacity, then gross tonnage hauled may be taken as proportional to capacity; and, in the absence of data to the contrary, gross receipts may in turn be assumed proportional to gross tonnage.

States which imposed privilege taxes or franchise fees on a weight or capacity basis generally gave the receipts from such imposts in detail. Miscellaneous fees yielding small returns, such as fees for certificates of necessity, permit fees, application fees, etc., were

Table 5.—Constants used in the computation of estimated consumption of motor fuel by motor vehicles of different types, classes of service, and rated capacities

Type of vehicle and class of service	Rated capacity	Assumed rate of consump- tion of motor fuel	Assumed average annual travel	Annual consumption per vehicle
Taxicabs Motorcycles	Passengers	Miles per gallon 14. 0 14. 0 35. 5	Miles 7, 000 25, 000 7, 000	Gallans 50 1, 78
Busses: School	7 or less 8 to 20, inclusive Over 20	14. 0 10. 0 6. 9	10,000	1,00 1,45
Commercial	7 or less 8 to 20, inclusive Over 20.	14. 0	20, 000 25, 000 25, 000	1, 42 3, 12 5, 00
Trucks	Tons [1½ and less. Over 1½ and less than 3 3 and less than 5 5 Over 5	6.0	1 10,000	97 1, 31 1, 65 2, 02 2, 48

¹ For contract, and common-carrier trucks an annual travel of 15,000 miles was assumed: for tractor trucks, 20,000 miles.

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The foregoing discussion of the methods used in analyzing and compiling the State data brings out the fact that the original reports, as submitted by the Bureau's statistician in each State, have been considerably modified in order that the material in them might be presented in a conventionalized form. All tabulations based on these modifications must be recognized as derived data. The primary data will be published in the complete report, and the opportunity will exist for any investigator to make use of any portion of the original data and obtain his own results, with the aid of such additional material as may be available. special study of the conditions in any given State would, no doubt, make it possible to determine more accurately the payments made by vehicles of different classes and sizes in that State. It is believed, however, that the material as given presents a reasonable and accurate picture of motor-vehicle taxation in the United States in 1932, and that the figures for the individual States are as near the truth as could be obtained without extension of the Bureau's investigation beyond practicable limits.

The method of analysis described in the preceding paragraphs resulted in a complete table for each State. giving, so far as the original data permitted, the number of registered vehicles of each type, class, and capacity group, and the corresponding payments of registration fees, gasoline taxes, and special fees and taxes, according to the systematic scheme which was adopted. From these State tables national totals, averages, and percentages, such as are given in tables 1 and 2, were computed. More detailed presentation of the national figures is given in the following pages, in which payments by the major types and classes of vehicles are taken up in turn.

It is impossible to give the detailed figures for the individual States in this short digest. However, tables 13, 14, 15, and 16 appearing at the end of the section dealing with State taxes, give for each State the essential data regarding registrations and payments of registration fees, special fees and taxes, and miscellaneous fees. These tables give information for each type of vehicle and class of service, but do not give a break-down by capacity groups.

ITEMS NOT CLASSIFIED OR ALLOCATED

The effort to reduce all data reported by the States to a uniform classification was not entirely successful. In a number of States there were items which could not by any reasonable approximation be made to fit into the general scheme. Since these items continually appear in different steps of the analysis it is thought best to discuss them at this point.

hicles not classified by capacity.—In cases where the bulk of vehicles in a given group were classified by weight or capacity, but a small remainder were given without classification, the practice was adopted of making an approximate distribution of the unclassified vehicles, generally in proportion to those classified.

There were, however, some cases where an entire group of vehicles was unclassified. Under these circumstances there was no reasonable basis for assuming a distribution by capacity. In order to account for the gasoline consumed and the gasoline taxes paid by vehicles not classified, estimates were made on the assumption that unclassified busses belonged to the capacity group, 8 to 20 passengers, and that unclassi-

generally allocated in proportion to the numbers of field tractor trucks belonged to the capacity group, over 1½ and less than 3 tons. In all tabulations by capacity, however, unclassified vehicles are listed

separately.

The total number of these unclassified vehicles was 35,608 or 0.14 percent of all vehicles registered and tax-paid. The total payments involved, including estimated payments of gasoline taxes, were \$1,440,896, or 0.17 percent of all State fees and taxes.

For-hire trucks not segregated from private carriers.—In a few States the numbers and registration fees of contract or common carriers, or both, were tabulated with those of private carriers, although the numbers of such for-hire carriers were also listed separately, with their payments of special fees. In most cases it was possible. by computing average fees, to approximate the payments of registration fees by the for-hire carriers, and tabulate them separately in the proper capacity groups. Exceptions occurred, however, with respect to 297 contract-carrier trucks in Montana, 647 contractcarrier trucks in Oklahoma, and 172 contract-carrier and 2,098 common-carrier trucks in South Dakota. These trucks were not classified by weight or capacity, although the totals of all trucks in these States (in which these for-hire carriers were included) were so classified. It would have been possible to assume a capacity distribution for these vehicles, but it was believed that such a degree of approximation was unwarranted. Without such a distribution it was impossible to segregate these trucks from the classified lists of trucks in which they were included. The special fees paid by these "unsegregated" vehicles included \$80,701 paid by contract carriers in Montana, Oklahoma, and South Dakota, and \$36,971 paid by common carriers in South Dakota. The method of handling these items in the compilation of national totals and averages is shown in footnote 9 of table 1.

A similar situation, even more difficult to deal with, occurred in the case of Tennessee. In this State it was reported that there were 397 for-hire carriers of property, including trucks, tractor trucks, trailers, and semitrailers, under the jurisdiction of the Railroad and Public Utilities Commission. Fees paid by these vehicles were reported as follows:

Registration fees	\$21, 199
Mileage tax	17, 383
Inspection fees	1 695

These vehicles and their payments of registration fees and mileage taxes were included in the tabulations of trucks, tractor trucks, and trailers and semitrailers without regard to class of service. The inspection fee was reported as applying to these vehicles only. However, since they could not be classified either by type or by capacity, there was no way of segregating them from private carriers. Their payments of special fees are included with the "undistributed fees", which are discussed in the next section.

Undistributed fees.—In addition to the items described in the preceding paragraphs, fees were reported in a number of States which could not be allocated to any given numbers or groups of vehicles in the conventional scheme of classification. The total amount of money involved was \$851,993, of which \$11,536 consisted of registration fees and \$840,457 of special fees and taxes paid by commercial carriers.

The nature of these unallocated items will be made clear by a few illustrations. In Kansas a ton-mile tax was imposed on for-hire carriers of persons and property

and certain classes of private carriers. The receipts from this tax in 1932, \$186,153, were reported in a lump sum, and no reasonable basis could be found for allocating this sum among the several classes of freight and passenger carriers. Similarly, in Pennsylvania, a receipts tax on for-hire carriers of persons and property, yielding \$33,946, was not allocated. In Wisconsin contract carriers of property were not reported separately from those privately owned and operated, although the former (and certain private carriers as well) were required to pay a ton-mile tax and certain permit fees. These payments, amounting to \$246,888, could not be assigned to any specific group of vehicles, and were therefore carried as "undistributed". In this same State, and in Ohio and Iowa, fees paid by out-of-State vehicles could not be allocated among vehicles of the State, although they were assigned to the proper classes in the national totals.

Of the \$840,457 in undistributed special fees, a total of \$278,151 was, in the national totals, allocated by class of service (but not by capacity). The remainder, \$562,306, is listed in table 1 as "undistributed fees." The footnotes to table 15 give further information on these troublesome items.

REGISTRATIONS AND PAYMENTS BY PASSENGER CARS DISCUSSED

The total number of passenger automobiles reported in the 1932 survey was 20,836,362. This total includes 77,222 taxicabs and other for-hire cars reported separately from private passenger cars in 27 States and the District of Columbia. Twenty States failed to segregate taxicabs from private cars, and one State, California, included them with light trucks. The figure given for passenger cars in table 1—20,759,140—includes for-hire cars in these 20 States. It also includes ambulances and hearses in a number of States which reported such vehicles separately. Similarly, snowmobiles, reported by a few States, were included with passenger cars. Publicly owned vehicles are not included, except in the case of a few States which failed, wholly or in part, to segregate such vehicles from those paying regular registration fees.

Total and average payments by passenger cars were as follows:

Registration fees:	
Total payments	\$213, 357, 330
Average per vehicle	
Gasoline taxes:	
Total payments	375, 082, 015
Average per vehicle	
All fees and taxes:	
Total payments	588, 439, 345
Average per vehicle	

The registration fees imposed on passenger cars varied with the size of vehicle in all but three States, California and Washington, in which a fee of \$3 was charged, and Arizona, in which the rate was \$3.50. In the District of Columbia a \$1 fee is charged against all gasoline-driven automobiles. Weight was the most common measure of size, 30 States using it as the basis of fee, either alone or in combination with other factors. Horsepower was used as a basis in 18 States and value or list price in three.

Average payments of registration fees ranged from \$1 in the District of Columbia to \$21.45 in Vermont. Among the low States were Washington, with \$2.94; California, with \$3.02; Arizona, with \$3.50; Massachusetts, with \$3.58; and Colorado, with \$4.94. States which exacted relatively high fees from their passenger cars were Oregon, in which the average payment was

\$21; Arkansas, with \$19; Connecticut, with \$17; and Florida, with \$16. Clustered about the average were New Jersey, Kansas, Pennsylvania, Wyoming, and North Dakota, all charging averages of \$10 and \$11.

The method of estimating gasoline-tax payments has been described (see p. 190). Differences among the States in the estimated average payments are dependent on differences in the gasoline-tax rates and the average per-vehicle consumption of gasoline. The range in gasoline-tax payments, as computed, extended from \$9.77 in the District of Columbia to \$44 in Florida. North Dakota was the lowest in gasoline-tax payments other than the District of Columbia, with an average for passenger cars of \$10.32. Among the high States were Tennessee, with \$36; Georgia, with \$35; Arkansas, with \$32; and South Carolina, with \$32. In Tennessee and Florida the rate is 7 cents per gallon; in the others mentioned as high States the rate is 6 cents.

In total payments the District of Columbia, with a \$1 registration fee and a gasoline-tax rate of 2 cents per gallon, is naturally the minimum with an average payment of \$10.77. California comes next, with \$19. The largest payments were found in Florida, \$60; Arkansas, \$50; Georgia, \$48; and Tennessee, \$47. New York, Connecticut, Arizona, and Texas were within \$1 of the national average of \$28.35.

TAXICAB PAYMENTS GENERALLY HIGHER THAN THOSE FOR PRIVATE PASSENGER VEHICLES

Nearly all of the 27 States which reported taxicabs charged heavier registration fees against them than against private passenger cars. In Colorado, Georgia, Maryland, Nevada, Oregon, Vermont, and the District of Columbia, the rates were the same as for private cars. In all except Maryland and the District of Columbia, however, the average payments by taxicabs exceeded those of private cars.

The total and average fees paid by the 77,222 taxicabs reported separately were as follows:

Registration fees:				
Total payments	\$1.	368.	148.	00
Average per vehicle				72
Gasoline taxes:				
Total payments	4,	682,	742.	00
Average per vehicle			60.	
Special fees		117,	997.	00
All fees and taxes:				
Total payments		168,		
Average per vehicle			79.	89

The average for special fees is not given, as they were imposed in only a few States.

After the District of Columbia, Colorado charged the minimum registration fees, with an average of \$5.13 for taxicabs, Maryland following with \$7.36. The maximum occurred in West Virginia, in which the average payment was \$59. In North Carolina it was \$55 and in Connecticut, \$46.

Average payments of all fees and taxes by taxicabs ranged from \$50 in the District of Columbia to \$200 in Florida. Among the low States were North Dakota, with \$59, and New Jersey and New York, with \$70.

Gasoline-tax payments by taxicabs were estimated on the basis of an average annual mileage of 25,000 miles. (See table 5.) There is no point in discussing these payments, as they are proportional to the payments reported for passenger cars in the States represented.

Special fees and taxes paid by taxicabs or other cars for hire were reported in six States and the District of Columbia, the total payments amounting to \$117,997.

These special taxes included a receipts tax in Arizona, an occupation tax on U-Drive-It systems in Georgia, special-license taxes in Nevada, Oregon, and the District of Columbia, fees for certificates of convenience and necessity in North Dakota, and a privilege tax in Tennessee. Details of the payments are given in the first two columns of figures in table 15. Taxicabs also participated in the payment of the receipts tax in Pennsylvania, previously mentioned, but their payments could not be segregated from those of other vehicles.

BUSSES REPORTED IN THREE CLASSES

In the instructions to the statisticians who collected the data on State motor-vehicle taxes, it was requested that busses be reported in three classes—(1) school and private busses, (2) sight-seeing and other contract-carrier busses, and (3) public-carrier busses. All of the 16 States which reported tax-paid busses in the first class described them as school busses. It is to be inferred that privately owned and operated busses such as those owned by factories, real-estate developers, and various private institutions, were reported with other registration classifications.

Nine States reported busses in all three classes. Seven States reported tax-paid school busses, but did not segregate sight-seeing or contract-carrier busses from other classes of vehicles. Ten States and the District of Columbia reported busses in the contract-sight-seeing class, but did not report tax-paid school busses. The remaining States failed to report any tax-paid school busses or to segregate sight-seeing and contract-carrier busses from other registration classifications. Commercially operated busses, either public carriers or a combination of public and contract carriers, were reported in all the States.

The numbers of busses reported in the three classifications in the 1932 survey were as follows:

School busses Contract-carrier busses, including sight-seeing Public-carrier busses	9, 813 3, 314 36, 325

It should be remembered that only tax-paid school busses are included in the survey total. No attempt was made to obtain an accurate count of publicly owned or tax-exempt school busses. Approximately 12,700 publicly owned busses were reported by the States. It was apparent, however, that the reporting of publicly owned and tax-exempt vehicles was very incomplete. Other sources ³ indicate that the number of school busses in operation in 1932 was between 60,000 and 70,000.

The number of busses reported as engaged in commercial operations (sight-seeing, contract, and public-carrier) was 39,639. In a number of States, including Georgia, Mississippi, Ohio, South Carolina, Texas, and possibly others, busses operating in cities were not reported separately or as public carriers, but were included in other classifications, particularly passenger cars and trucks. The figure given by Bus Transportation³ for commercial or "revenue" busses was 42,348. City busses were given separately in this tabulation; and in the five States mentioned above 1,518 city busses were reported. The agreement between the two surveys appears sufficiently close when it is remembered that the Bus Transportation figures were

obtained very largely from operating companies, while those obtained in this survey were taken from State records, which frequently do not separate all vehicles operating as busses from other classifications.

BUS REGISTRATION RATES VARIED WIDELY

In the 16 States which reported tax-paid school busses, they were commonly registered according to weight or capacity, although in several States flat fees were charged, ranging from \$2 per vehicle in Massachusetts to \$75 per vehicle in West Virginia. In general, sight-seeing and contract-carrier busses were registered at considerably higher rates than school busses and not infrequently the fees corresponded to those paid by public-carrier busses.

In all States (the District of Columbia excepted) the registration fees imposed on public-carrier busses were graduated to increase with the size of the vehicle. Weight, either alone or in combination with other factors, was a common basis of registration, 9 States reporting a gross-weight and 15 a net-weight besis. Seating capacity appeared as a basis of registration fee in 27 States; in 10 of these capacity alone was the basis, while in the remainder it was used in combination with other factors.

There was great variety in the rates of fees imposed, even in those States in which registration fees were based on the same factors. In the seven States which used gross weight as a single basis of taxation, the minimum rate reported was that in Nevada, 30 cents per 100 pounds. In Vermont the rate was \$1 per 100 pounds, and in Delaware, 40 cents. In New Hampshire, Illinois, Wisconsin, and Texas the rate itself varied with the weight; the highest rate reported was \$4 per 100 pounds, charged in Texas against busses having a gross weight of more than 28,000 pounds.

In the six States basing registration fees on net weight alone, the fees varied from 50 cents to \$2.25 per 100 pounds, the latter rate being charged in Ohio for that portion of the weight of the vehicle in excess of 10,000 pounds.

Where capacity was the basis of registration fees, the rates charged varied so widely for busses of different sizes that a direct comparison of rates is not teasible. An example may be given, however. In the 10 States registering busses on the basis of capacity alone, 30-passenger busses were required to pay registration fees varying from \$18 in Missouri to \$180 in Indiana.

SPECIAL FEES IMPORTANT FACTOR IN TAXATION OF BUSSES

In addition to registration fees the majority of States imposed some form of special tax on busses operated for hire, particularly public carriers. In four States the special tax was imposed in lieu of registration fees, a receipts tax in California and passenger-mile taxes in Maryland, West Virginia, and South Carolina.

Mileage, ton-mile, and passenger-mile taxes.—Taxes based on the operations of public-carrier busses were imposed in 19 States and the District of Columbia. Mileage taxes—i.e., those in which the charge is directly proportional to the miles traveled—were found in Alabama, Florida, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, Tennessee, and the District of Columbia. In all except New Jersey and the District of Columbia, the rate per mile increased with the seating capacity. In Florida, for example, the rate was ½ cent per mile for busses of 10 passengers or less, ¾ cent per mile for 11 to 20 passengers, and 1 cent

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³ Bus transportation, February 1933, McGraw-Hill Publishing Co., Inc., New York City; and Circular No. 132, Office of Education, United States Department of the Interior, Consolidation of Schools and Transportation of Pupils, 1931-32, by David T. Blose.

for more than 20 passengers. In New Jersey the tax

was levied against interstate busses only.

Taxes assessed at a constant rate against operations in terms of ton-miles or passenger-miles were found in 10 States. In Wyoming, Colorado, and Utah, the rates were based on the actual number of passengers carried times the actual miles each as carried. In Wyoming the rate was ½0 cent per passenger-mile; in Colorado, ½0 cent; and in Utah, ½ cent on hard-surfaced roads and ½0 cent on other roads.

In all other States using this form of tax the rate was based either on passenger capacity or on the gross weight of vehicle, plus capacity load, allowing 150 pounds per passenger. The former basis was used in Maryland, Oregon, South Carolina, and West Virginia; the latter in Iowa, Kansas, and Wisconsin. The rates per passenger seat-mile varied from as low as \%0 cent in South Carolina to \%5 cent in West Virginia. The rate per ton-mile in Iowa was \%4 cent; in Kansas, \%20 cent; and in Wisconsin \%0 cent.

Mileage taxes were imposed on contract and sightseeing busses in Florida and Oklahoma, and in Utah such vehicles participated in the payment of the pas-

senger-mile tax.

Receipts taxes.—Ten States—Arizona, Arkansas, California, Connecticut, Idaho, North Carolina, Pennsylvania, South Dakota, Virginia, and Washington—imposed fees in the form of a percentage tax on the revenues derived from the operations of public-carrier busses within the State. The receipts tax was imposed in addition to the registration fee in all these States except California, where the tax was in lieu of registration fees, and North Carolina, where the registration fee was credited on the amount collectible in receipts taxes. The rates varied from eight-tenths of 1 percent in Pennsylvania to 6 percent in North Carolina.

Other special fees.—Special fees other than receipts taxes and those based on mileage were reported by 17 States in the case of public-carrier busses and by 3 States and the District of Columbia in the case of sight-seeing or contract-carrier busses. Although imposed under various names, such fees may be roughly

divided into three classes.

Most numerous were fees required for the issuance of certificates of convenience and necessity, or for equivalent permits to operate, which were imposed in Alabama, Georgia, Kentucky, Minnesota, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Wisconsin, and Wyoming. Certificate fees are usually nominal flat fees which are paid when the certificate is applied for, and are not generally assessed annually. As ordinarily issued, the certificate empowers a company to operate over a specified route or routes, and the fee is independent of the number of vehicles to be operated.

A second class of fees were those charged for permits to operate, at a flat rate per vehicle. Such fees were charged against public-carrier busses in Georgia, Montana, and Wisconsin, the rates being \$25, \$10, and \$40, respectively. Sight-seeing busses in the

District of Columbia paid a \$100 fee.

A number of States imposed, under various names, special-license taxes which varied with the weight or capacity of the vehicle, in much the same manner as registration fees. Such fees were imposed on public-carrier busses in Michigan, Nevada, Ohio, Tennessee, and Texas; and on contract and sight-seeing busses in Oklahoma and Oregon.

City busses.—In a number of States a distinction was made between busses operated exclusively or cus-

tomarily in urban service only, and those operating on the rural roads. Thus, in New York, city busses, termed "special-franchise" busses, paid registration fees at a flat rate of \$10 each, while interurban busses paid fees ranging from \$30.50 for those seating 8 to 10 passengers, to \$67.50 plus \$2 for each seat over 30 for those seating 31 passengers or more. The receipts tax in North Carolina was imposed only on interurban busses; in lieu of this tax city busses were charged heavier registration fees than the interurban busses. In Georgia city busses were exempted from the payment of certificate fees, permit fees, and mileage taxes imposed on interurban public carriers, but were required to pay an occupation tax. Similar exemptions or separate provisions for city busses were found in South Carolina, Ohio, Wisconsin, Kansas, Kentucky, Tennessee, Mississippi, Texas, New Mexico, and Oregon.

BUS PAYMENTS DISCUSSED

A total of \$211,633 was paid in registration fees by the 9,813 tax-paid school busses. Estimated payments of gasoline taxes were \$384,393. Average payments of registration fees ranged from a rate of \$2 in Massachusetts to an average of \$128, paid by school busses carrying over 20 passengers in Oregon. In some States publicly owned school busses were charged nominal fees, varying from 25 cents to \$1. In most States the fees were graduated according to seating capacity or weight. Average payments by the three capacity groups were as follows:

7 passengers or less: Registration fees Gasoline taxes	\$10. 63 22. 14
All fees and taxes	32. 77
8 to 20 passengers: Registration fees Gasoline taxes	24, 85 35, 96
All fees and taxes	60, 81
Over 20 passengers: Registration fees Gasoline taxes	62. 77 48. 77
All fees and taxes	111.54

In table 6 is given a summary, by capacity groups, of the registrations, total payments, and average payments of contract and public-carrier busses. Associated with each class of fee is the number of vehicles in each capacity group concerned in the payment of such fees. Special fees are divided into three classes, (1) mileage, ton-mile, and passenger-mile taxes, (2) receipts taxes, and (3) other special fees: This latter class includes franchise, privilege or special license taxes, permit fees, and fees for certificates of convenience and necessity.

In table 6 all the averages are based on the number of vehicles involved in the payments tabulated. In certain cases, covered by footnotes, the total number of vehicles involved is not known, and the average is omitted. It may be observed that certain of the averages computed in this manner differ from those given in table 1, which are based on all the vehicles registered in a given class or group. For example, the average payment of registration fees by public-carrier busses, based on the total of 36,325 public-carrier busses registered, was \$84; based on the 33,246 busses which actually paid registration fees, the average is \$92. Average gasoline-tax payments and the averages of all fees and taxes are, of course, the same in all tables.

The payments by busses in individual States are given in tables 14 and 15. Average payments of

Table 6.—State taxes imposed on contract- and public-carrier busses in 1932; national totals and averages

	Number	Estimated I of motor-fu	payments iel taxes	Re	gistration fe	es	Registrat	ion fees and fuel taxes	motor-	Mileage, t	on-mile or po mile taxes	assenger-
Rated capacity	regis- tered	Amount	Average per vehicle	Number of vehicles	Amount collected	Average per vehicle	Number of vehicles	Amount	Average per vehicle	Number of vehicles	Amount	Average per vehicle
Passengers Contract, including sight-seeing: 7 or less	1, 862 477 490	\$99, 113 65, 626 120, 136	\$53. 23 137. 58 245. 18	1, 862 477 490	\$22,077 18,493 43,197	\$11. 86 38. 77 88. 16	1, 862 477 490	\$121, 190 84, 119 163, 333	\$65.09 176.35 333.34	61 33 26	\$1,990 2,530 4,538	\$32, 62 76, 67 174, 54
Total classified Not classified by capacity 1	2, 829 485	284, 875 46, 908	100. 70 96. 72	2,829 485	83, 767 73, 628	29. 61 151. 81	2,829 485	368, 642 120, 536	130. 31 248. 53	120	9, 058	75. 48
Total	3, 314	331, 783	100.12	3, 314	157, 395	47. 49	3, 314	489, 178	147. 61	120	9, 058	75. 4
Public carrier: 7 or less	3, 630 7, 176 24, 873	190, 593 883, 604 4, 234, 921	52, 50 123, 13 170, 26	3, 348 6, 400 22, 958	93, 787 411, 815 2, 467, 390	28. 01 64. 35 107. 47	3, 630 7, 176 24, 873	284, 380 1, 295, 419 6, 702, 311	78. 34 180. 52 269. 46	1, 936 1, 533 2, 873	55, 472 224, 335 790, 380	28. 64 146. 34 275. 1
Total classified	35, 679 646	5, 309, 118 73, 138	148, 80 113, 22	32, 706 540	2, 972, 992 65, 659 9, 018	90. 90 121. 59	35, 679 646	8, 282, 110 138, 797 9, 018	232. 13 214. 86	6,342 106	1, 070, 187 28, 896 154, 648	168. 7: 272. 6
Total	36, 325	5, 382, 256	148, 17	33, 246	3, 047, 669	91. 67	36, 325	8, 429, 925	232. 07	3 6, 448	1, 253, 731	
Rated capacity		Receipts taxe	es	Franchise and oth cial fees	e fees, certifi ner miscellar	icate fees, neous spe-		all special fee	es	Al	l fees and ta	xes
nated capacity	Number of ve- hicles	Amount	Average per ve- hicle	Number of ve- hicles	Amount	Average per ve- hicle	Number of ve- hicles	Amount collected	Average per ve- hicle	Number of ve- hicles	Amount	Average per ve- hicle
Passengers												
Contract, including sight-seeing: 7 or less				192 24 51	\$2, 525 780 5, 009	\$13. 15 32. 50 98. 22	225 52 72	\$4, 515 3, 310 9, 547	\$20. 07 63. 65 132. 60	1,862 477 490	\$125, 705 87, 429 172, 880	\$67. 5 183. 2 352. 8
Total classified				267	8, 314	31. 14	349	17, 372	49. 78	2, 829 485	386, 014 120, 536	136. 4 248. 5
Total				267	8, 314	31. 14	349	17, 372	49. 78	3, 314	506, 550	152. 8
Public carrier: 7 or less 8 to 20, inclusive Over 20	1, 150	\$26, 005 116, 031 596, 853	\$49. 16 100. 90 218. 87	665 1, 584 2, 124	14, 479 47, 018 118, 184	21. 77 29. 68 55. 64	2, 876 3, 646 7, 156	95, 956 387, 384 1, 505, 417	33. 36 106. 25 210. 37	7, 176	380, 336 1, 682, 803 8, 207, 728	104. 7 234. 5 329. 9
Total classified	4, 406	738, 889	167. 70	4, 373 540	179, 681 64, 736 50, 179	41. 09 119. 88		1, 988, 757 93, 632 204, 827	145, 40 144, 94		10, 270, 867 232, 429 213, 845	287. 8 359. 8
Total	4, 406	738, 889	167, 70	4 4, 913	294, 596		5 14, 324	2, 287, 216		36, 325	10, 717, 141	295. 0

See p. 191.
 See pp. 191 and 192.
 Does not include unknown number of busses in Tennessee paying mileage taxes of \$72,288, and unknown number of interstate busses paying mileage taxes of \$79,802
 New Jersey. These amounts are included in "Undistributed fees" on preceding line.
 Does not include unknown number of busses in Tennessee paying privilege taxes of \$8,510 and inspection fees of \$10,263. These amounts are included in "Undistributed" on receding line.

on preceding line.
See footnotes 4 and 5.

registration fees by public-carrier busses varied from \$1 in the District of Columbia and \$11 in Montana to \$518 in Minnesota. Other States in which the payments were high were Wisconsin, with \$492; Florida, with \$255; and Idaho, with \$252.

Payments of special fees by public-carrier busses, not including items in Pennsylvania, Kansas, and New Mexico, which were not segregated from payments by other carriers, were \$2,287,216. Mileage, ton-mile, and passenger-mile taxes were the most lucrative, the revenues from this form of taxation totaling \$1,253,731. It is apparent that special taxes formed a significant part of the total payments by busses. In a few States the payments were very high. Payments of ton-mile taxes by public-carrier busses in Iowa averaged \$656 per vehicle; the mileage tax in Florida yielded \$242 per bus; the receipts tax in California (imposed in lieu of registration fees) produced an average payment of \$260.

In the payments of all fees and taxes, including registration fees, gasoline taxes, and special fees, the highest average was found in Iowa. Public-carrier busses in that State paid an average of \$932 per vehicle. This is an average for Iowa-licensed vehicles, payments by out-of-State vehicles having been eliminated from the computation. Other States in which the payments were high were Wisconsin, with \$828; Florida, with \$772; Minnesota, with \$638; and Tennessee, with \$540. Payments were relatively low in Montana, in which the average was \$112. Other States with low averages were Colorado, with \$114; North Dakota, with \$155; and the District of Columbia, with \$175.

The averages given above are for all busses in the States concerned, and their magnitudes are naturally affected by the relative numbers of light and heavy That the scale of payments increased rapidly busses. with the size of bus is evident from an inspection of table 6. A few examples will serve to point the fact more clearly. In Minnesota busses having capacity of more than 20 passengers paid in registration fees an average of \$564 per vehicle; in Wisconsin the average was \$543. Average payments of all fees and taxes by busses in this class in Minnesota were \$692; in Florida, \$861; in Wisconsin, \$901; in Iowa, \$1,212.

COMPARISON OF FEES REQUIRED FOR TYPICAL PUBLIC-CARRIER BUS OPERATION

In order to show the extremes of variation in tax payments required of public-carrier busses under comparable operating conditions, an example has been computed to show the State fees and taxes which would have been paid in 1932 by a 30-passenger bus operating 25,000 miles. The States selected for comparison were Rhode Island, New York, Florida, Michigan, and

The net weight of the 30-passenger bus is taken as 10,700 pounds, and the gross weight, at 150 pounds per passenger, is 15,200 pounds. At an assumed rate of 5 miles per gallon of gasoline, the bus would consume 5,000 gallons per year. The rates of fees required in the 5 States are given in the following paragraphs.

Rhode Island: A registration fee of \$46 plus \$2 per passenger

New York: A registration fee of \$40 puts \$2 per passenger seat and a gasoline tax of 2 cents per gallon.

New York: A registration fee of \$67.50 and a gasoline tax of 2 cents from January 1 to February 29 and 3 cents beginning March 1, the average payment for the year being approximately 2.86 cents per gallon.

Florida: A registration fee of \$2 per 100 pounds net weight plus \$20 per passenger seat, a gasoline tax of 7 cents per gallon,

and a car-mile tax of 1 cent per mile.

Michigan: A registration fee of \$1.25 per 100 pounds net weight, a gasoline tax of 3 cents per gallon, and a public utility permit fee of \$1 per 100 pounds net weight.

Oregon: A registration fee of \$1.10 per 100 pounds net weight,

a gasoline tax of 4 cents per gallon, and a passenger-mile tax of 0.5 mill per capacity seat-mile.

In the case of Florida, in which the required payments were the highest, the items making up the total are as follows:

Registrat	ion	fe	e_	nto.	0,0	40		 _	_		**	-				_	_	~		_	\$814
Gasoline	tax.		400 -			-			_	_							100	_	-		350
Car-mile	tax			 			-			-	_		-	-	140		-		9	-	250
T	otal																				1 414

The total payments which would be required in the five States chosen for comparison, arranged in descending order of magnitude, are given below:

Florida	\$1.	414, 00
Oregon		692. 70
Michigan		390, 75
New York		210, 50
Rhode Island		206, 00

PAYMENTS BY TRUCKS AND OTHER FREIGHT VEHICLES ANALYZED

In the instructions to statisticians it was requested that freight vehicles be reported in three groups, trucks, tractor trucks, and trailers and semitrailers. Only 23 States, however, reported tractor trucks separately from trucks, and in several of these there was evidence that the figures were incomplete. In general, tractor trucks are registered and taxed on much the same basis as trucks, and no separate data regarding them are given in this digest. Trailers and semitrailers were reported by all States except two-Kentucky and Oklahoma. In Kentucky full trailers are prohibited and tractor-semitrailer units are registered as trucks. In Oklahoma there was no registration of trailers in 1932.

In every State (the District of Columbia excepted) the registration fees of trucks were graduated so as to increase with the size of vehicle. In contrast to passenger cars and busses, for which weight was the most common basis of registration fee, trucks were registered according to carrying capacity in the majority of the States in 1932. Capacity, alone or in combination with a flat fee, weight, or horsepower, appears in 26 States as the basis of registration fee for privately owned and operated trucks. Twenty-two States registered trucks according to weight, the basis being gross weight in 11 States, net weight in 8 States, and chassis weight in Pennsylvania, South Dakota, and Idaho. A flat fee in combination with weight or capacity appeared as the basis in 6 States. Maryland was the only State which imposed fees according to horsepower alone; but horsepower in combination with capacity was reported in Tennessee and Louisiana. Minnesota alone used value as a basis.

Registration fees for private trucks were modified according to age or the number of previous registrations in 5 States, although in Mississippi reduction of fee for age was applied only to trucks of less than 2½ tons capacity, and was effective only after July 1, 1932.

Space does not permit a tabulation or full discussion of the registration fees imposed on trucks. For present purposes a comparison of the rates in a few States in different parts of the country will serve to illustrate the variety and range in the registration fees charged against trucks in 1932. In all cases the rates given are for 4-wheel, pneumatic-tired trucks.

Capacity States .- In Connecticut the rates varied from \$15 for a ½-ton truck to \$217.50 for a 6½-ton truck, with \$75 additional for each ton or fraction thereof over 6½ tons. In Georgia, the fees ranged from \$15 for 1 ton or less to \$1,125 for 7 tons or over. In Missouri trucks of less than 2 tons capacity paid \$10.50; those of 7 and less than 8 tons capacity paid \$36, and \$15 was paid for each ton in excess of 8. In Oklahoma \$15 was paid by trucks having a capacity of threefourths of a ton or less, and \$300 by all of over 4 tons. In Utah the rates varied from \$5 for a 1/2-ton truck to \$100 for a 5-ton truck, with \$50 additional for each ton over 5.

Gross-weight States.—In Massachusetts the fee charged was 15 cents per 100 pounds weight of the vehicle and its maximum carrying capacity, with a minimum fee of \$6. In North Carolina, the rates, although based on gross weight, varied with the rated For trucks of 2 tons capacity or less the capacity. rate was 55 cents per 100 pounds, gross weight; for 2 tons to 3 tons the rate was 70 cents per 100 pounds: for more than 3 tons, the rate was \$1 per 100 pounds The minimum fee was \$15. In Illinois the rates varied from \$10 for trucks having a gross weight of 3,000 pounds or less to \$150 for gross weights between 20,000 and 24,000 pounds. In Texas a rate of 40 cents per 100 pounds was charged for gross weights of 6,000 pounds or less. The rate increased with the weight until it reached \$4 per 100 pounds for weights over 26,000 pounds.

Net-weight States.—In New York a flat rate of \$12 was charged for trucks weighing less than 1,800 pounds. For other trucks a rate of 80 cents per 100 pounds net weight was charged. In Florida trucks weighing 4,000 pounds or less paid 75 cents per 100 pounds; trucks weighing over 4,000 pounds paid \$2 per 100 pounds. In Michigan the rate varied from 65 cents per 100 pounds for trucks weighing 2,500 pounds or less to \$1.25 per 100 pounds for those weighing over 6,000 pounds. In California there was a flat fee of \$3, to which were added fees ranging up to \$50 for the heaviest weights permitted for 4-wheel trucks. Those weighing less than 3,000 pounds paid only the flat fee.

NATIONAL FIGURES FOR TRUCKS FOR 1932 SHOWN

National totals, averages, and percentages for trucks and tractor trucks, and for trailers and semitrailers, are given in table 7. The tabulation includes, for each capacity group, the number registered and tax paid and total and average payments of gasoline taxes, registration fees, special fees (without averages), and all fees and taxes. The percentage distribution of numbers registered and fees paid among the several capacity groups is also given.

The total number of freight-carrying vehicles registered in 1932 was 3,644,591, or 14.80 percent of all vehicles registered and tax-paid in that year. The total of all State fees and taxes paid by these vehicles was \$203,866,943, or 25.12 percent of all payments charged directly against motor vehicles in 1932.

Of all trucks and tractor trucks registered in 1932, 83.05 percent were light-weight vehicles, having rated capacities of 1½ tons or less. The percentage decreases steadily with the size of vehicle, except for the last bracket group, which contains all trucks of more than 5 tons capacity.

In the payments of fees and taxes the percentages were much different. Five-ton trucks and tractor trucks, which constituted only 0.88 percent of those registered, accounted for 1.54 percent of the gasoline taxes and 3.91 percent of the registration fees paid in 1932 by all trucks and tractor trucks.⁴ Those of more than 5 tons capacity, which included only 1.37 percent of the vehicles, contributed 4.41 percent of all State fees and taxes paid by trucks.

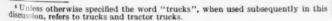
This variation of fee payments with capacity is shown more clearly by the averages given in table 7. Average registration fees varied from \$16 in the lowest capacity group to \$114 paid by those of more than 5 tons capacity; and average gasoline-tax payments ranged from \$36 to \$81.

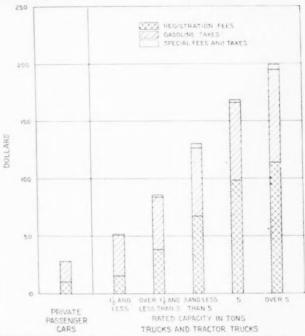
Similar relations are shown in the trailer payments. The fees imposed on trailers are, in the majority of States, considerably less than those imposed on trucks. This is particularly true in the case of very light trailers, as is shown by the fact that those having capacities of 1½ tons or less paid average registration fees of only \$3.34. However, there is a sharp rise in average payments with capacity, until we find those of more than 5 tons capacity charged with average registration fees of \$71, and total payments of \$92.

The excess registration fees of \$500,807, paid by contract and common carriers, and the special fees of \$2,585,161, which were also, for the most part, the contribution of for-hire carriers, play no great part in the total payments by trucks and trailers. They are included in table 7 to complete the record, and are taken up in detail in the section dealing with contract and common carriers.

DISTRIBUTION OF TRUCKS BY CAPACITY GROUPS

In table 8 all trucks and tractor trucks and trailers and semitrailers registered in each State in 1932 are listed by capacity groups. While this table is useful





Comparison of Average Payments of State Fees and Taxes in 1932 by Private Passenger Cars and by Trucks and Tractor Trucks of Different Rated Capacities.

chiefly for reference purposes, certain significant facts may be gleaned from it. Of particular interest is the distribution of trucks by capacity in different States and in the several regional groups. In those States which are predominantly rural the percentage of light trucks was very high, and there were relatively few having capacities of 3 tons or more. In seven States, Vermont, South Carolina, North Dakota, South Dakota, Tennessee, Montana, and Wyoming, none had a capacity of more than 5 tons. Five-ton trucks were found in all States, but the number was 20 or less in South Carolina, Georgia, North Dakota, South Dakota, Alabama, Arkansas, Wyoming, and New Mexico.

COMPARISONS RELATING TO THE NUMBERS OF HEAVY TRUCKS AND THE FEES IMPOSED

In the complete report considerable space is devoted to a discussion of the relative numbers and percentages of heavy trucks registered in different States, and to consideration of the question whether or not the imposition of high registration fees upon such vehicles, particularly when accompanied by high gasoline tax rates, tends to discourage the registration of such vehicles and, in consequence, to reduce the revenues derived from them. It is not possible, in this short digest, to reproduce this discussion, but we may set down the main points established, with sufficient illustrative material to indicate the trend of the analysis.

1. As would be expected, the dominant factor determining the relative numbers or percentages of heavy trucks registered in different States is the comparative industrial and commercial development of the States concerned. The highly developed States of the East, the Middle West, and the Pacific coast have many heavy trucks. Relatively few are found in the Northwestern and Mountain States and in most of the States of the South, although in a few of the sparsely populated States, such as Nevada, the percentage of heavy trucks is high.

Table 7.—State taxes imposed on freight vehicles in 1932; national totals, averages, and percentages

		Percentage	Estimated 1	payments of taxes	motor-fuel	Regular	registration	fees 1
Rated capacity	Number registered	distribu- tion	Amount	Average per vehicle	Percentage distribu- tion	Amount	Average per vehicle	Percentage distribu- tion
Tons Trucks and tractor trucks: 1½ and less. Over 1½ and less than 3 3 and less than 5	341, 285 128, 938	83. 05 10. 57 3. 99	\$96, 990, 409 15, 812, 494 7, 721, 581	\$36, 16 46, 33 59, 89	76. 64 12. 49 6. 10	\$41, 353, 370 12, 953, 474 8, 601, 940	\$15, 42 37, 96 66, 71	58, 43 18, 30 12, 15
5 Over 5		1. 37	1, 943, 828 3, 573, 972	68. 10 81. 12	1. 54 2. 82	2, 771, 781 5, 013, 807	97. 11 113. 81	3. 92 7. 09
Total classified Not classified by capacity Other undistributed fees	3, 224, 808 4, 507	99. 86 . 14	126, 042, 284 519, 385	39. 09 115. 24	99. 59 . 41	70, 694, 372 77, 657 2, 518	21. 92 17. 23	99, 89 . 11 . 00
Total	3, 229, 315	100.00	126, 561, 669	39, 19	100.00	70, 774, 547	21. 92	100.00
Trailers and semitrailers: 1½ and less	25, 705 23, 781 6, 372	78. 55 6. 19 5. 73 1. 53 2. 10				1, 083, 073 344, 698 837, 210 364, 700 610, 539	3. 32 13. 41 35. 20 57. 23 70. 06	31, 44 10, 01 24, 30 10, 59 17, 72
Total classified	390, 755 24, 521	94. 10 5. 90				3, 240, 220 204, 539	8. 29 8. 34	94. 06 5. 94
Total	415, 276	100.00				3, 444, 759	8.30	100.00
All freight vehicles	3, 644, 591		126, 561, 669	39. 19		74, 219, 306	20. 36	
		Total	registration fe	ees 1		All	fees and tax	es
Rated capacity	Excess registra- tion fees	Amount	Average per vehicle	Percentage distribu- tion	Special fees and taxes 2	Amount	Average per vehicle	Percentage distribu- tion
Trucks and tractor trucks: 1½ and less Over 1½ and less than 3 3 and less than 5 5. Over 5.	86, 861 79, 873 13, 371	\$41, 599, 951 13, 040, 335 8, 681, 813 2, 785, 152 5, 017, 342	\$15. 51 38. 21 67. 33 97. 57 113. 89	58. 42 18. 32 12. 19 3. 91 7. 05	\$457, 634 471, 473 410, 432 80, 494 202, 220	\$139, 047, 994 29, 324, 302 16, 813, 826 4, 809, 474 8, 793, 534	\$51. 85 85. 92 130. 40 168. 49 199. 60	69. 68 14. 69 8. 43 2. 4 4. 4
Total classified Not classified by capacity ³ . Other undistributed fees ⁴ .		71, 124, 593 77, 657 2, 518	22. 06 17. 23	99. 89 . 11	1, 622, 253 3, 046 165, 568	198, 789, 130 600, 088 168, 086		99.6
Total	430, 221	71, 204, 768	22.05	100.00	1, 790, 867	199, 557, 304	61.80	100.0
Trailers and semitrailers: 1½ and less. Over 1½ and less than 3 3 and less than 5.	29, 774	1, 089, 694 362, 031 866, 984 377, 313	3. 34 14. 08 36. 46 59. 21	31. 00 10. 30 24. 66 10. 73	27, 478 39, 776 125, 028 64, 401	1, 117, 172 401, 807 992, 012 441, 714	15. 63 41. 71 69. 32	10. 1 24. 9 11. 1
Over 5	70, 586	614, 784 3, 310, 806 204, 539	70. 55 8. 47 8. 34	94. 18 5. 82	189, 954 446, 637	804, 738 3, 757, 443 204, 539	9. 62 8. 34	94.6
Other undistributed fees 4					8, 377	8, 377	-	-
Total		3, 515, 345	8. 46	100.00	455, 014	3, 970, 359	9. 56	100, 0
Undistributed freight-carrier fees ⁵		74, 720, 113	20. 50		339, 280 2, 585, 161	339, 280 203, 866, 943		

2. Limitations imposed on gross loads undoubtedly have an effect on the registration of heavy trucks, particularly those of more than 5 tons capacity. However, in a number of the States reporting few heavy trucks, including Alabama, Georgia, Kansas, Montana, North Dakota, Virginia, and Wyoming, the load restrictions were liberal, particularly with respect to six-wheel

3. In certain populous States registration fees of considerable magnitude have not apparently discouraged

the registration of heavy trucks. Thus, in Iowa, where registration fees of \$250 were required for 5-ton trucks, and \$350 for 7-ton trucks, the total collections from trucks and tractor trucks of 5 tons capacity or more were \$46,634. In Wisconsin, where the fees for these two classes ⁵ were \$210 and \$310, respectively, the collections were \$224,551. These rates, however, are lew compared to those in effect in certain other States.

C n fe

In a number of States contract and common carriers of property were required to pay higher registration fees than private carriers. "Regu'ar registration fees" include actual payments of private carriers and the estimated payments of contract and common carriers based on the private carrier rates. "Excess registration fees" include all payments of contract and common carriers in excess of the estimated payments at the private carrier rates. "Total registration fees" are total actual payments by all classes of carriers.

Includes all special fees and taxes, paid principally by contract and common carriers, such as mileage taxes, receipts taxes, franchise fees, privilege taxes, and other miscellaneous special fees. Excess registration fees are not included.

All unclassified were tractor trucks. The payments by these vehicles could not logically be distributed among the several capacity groups.

The term "Other undistributed fees" refers to payments which could not properly be assigned to a specific number of vehicles and therefore could not be distributed among the several capacity groups. Also included are payments of special fees by contract-carrier trucks in Montana, Oklahoma, and South Dakota, \$30,701; and special fees of common-carrier trucks in South Dakota, \$30,701; and special fees of common-carrier trucks in South Dakota, \$30,701; and special fees applicable to both trucks and trailers, which could not be allocated by reasonable methods of approximation.

Special fees applicable to both trucks and trailers, which could not be allocated by reasonable methods of approximation.

⁵ Fees computed on basis of conversion between gross weight and capacity see table 4.

Table 8.—State totals of freight vehicles registered and regular fees paid in 1932; grouped according to rated capacity

			Trucks ar	d tracto	r trucks				T	railers a	nd semi	trailers		
Division and State			Rated ca	apacity	in tons					Rated ca	pacity i	n tons		
	1½ and less	Over 1½ and less than 3	3 and less than 5	5	Over 5	Not classified by capacity	Total	1½ and less	Over 1½ and less than 3	3 and less than 5	5	Over 5	Not classi- fied by capacity	Total
New England	191, 983	22, 159	13, 479	2, 489	3,726	817	234,653	7,000	247	252	84	654	139	8,376
Maine	31, 519	2,870	1, 430	195	143	46	36, 203	3, 997					139	4, 136
New Hampshire Vermont	14, 025 6, 780	1, 698 906	1, 445 548	203 75	7		17, 378 8, 309	1, 153 473	48	47	34	4	********	1, 286
Massachusetts	81, 751	10,966	6, 534	907	2,030	771	102, 959	248	136	162	48	523		1, 117
Rhode Island Connecticut	15, 424 42, 484	1, 086 4, 633	1, 089 2, 433	166 943	651 895		18, 416 51, 388	1, 111	11 49	13 27	1	25 102		1, 290
Middle Atlantic	504, 495	137, 094	41,934	15, 363	28, 134	162	727, 182	11,713	5, 329	2,752	1,238	2,842	3,038	26, 912
New York	216, 555	64, 564	14, 413	6, 867	11, 366		313, 765	5, 559	4, 298	1,078	170	2, 683		13, 788
New Jersey	89, 916	18, 781	10, 083	1,616	8, 208		128, 604						3,038	3, 038
Pennsylvania Delaware	144, 554 6, 884	45, 653 888	12, 515 525	5, 773 188	7,743	96	216, 334 8, 666	4, 549 555	862 50	1, 305 28	826 10	13 31		7, 555 674
Maryland	34, 743	3, 712	2, 245 2, 153	620	207		41, 527	719	99	243	215	35	~~~~~~~	1, 311
District of Columbia.	11, 843	3, 496	2, 153	299	429	66	18, 286	331	20	98	17	80		546
South Atlantic	224, 538	13,818	6, 262	540	91		245, 249	17,847	2,082	1,697	301	92	3,750	25,769
Virginia West Virginia	58, 379 29, 536	2, 982 1, 538	904	73 189	6		62, 344 32, 916	1,800	175	302	112	1		2, 390
North Carolina	43, 242	4, 175	2, 599	207	39		50, 262	1, 391 6, 692	221 837	23 611	6 86	20 39		1, 661 8, 265
South Carolina	18, 341 39, 665	1, 024	354	3			19,722	809	541	483	45	32		1,910
GeorgiaFlorida	35, 375	1, 934 2, 165	430 335	20 48	32		42, 050 37, 955	7, 008	65 243	48 230	11 41		3, 750	4, 021 7, 522
East North Central	591, 016	71, 247	24, 606	5, 120	4,810	1,852	698, 651	141,895	4,749	7,014	1, 445	1, 972		157,075
Ohio	137, 880	20, 345	7,940	501	826		167, 492	40, 816	1, 268	2, 603	335	576		45, 598
Indiana	113, 370	4, 850	1,766	117	64	1,852	122, 019	21, 435	913	792	142	261	**********	23, 543
Illinois Michigan	145, 083 96, 169	18, 577 21, 743	8, 845 3, 321	3, 482 638	1,833 1,402		177, 820 123, 273	7, 552 71, 961	811 1, 398	3, 016	41 789	272 374		8, 903 77, 538
Wisconsin	98, 514	5, 732	2, 734	382	685	**********	108, 047	131	359	376	138	489		1, 493
West North Central	408, 507	24, 361	9, 161	804	168		443,001	40, 468	1,594	1,557	1,017	697	13, 478	58, 811
Minnesota	95, 877	3, 871	1,570	282	50		101,650	20, 298	409	440	210	172		21, 529
Iowa Missouri	63, 511 88, 668	9, 024 6, 315	2, 162 3, 911	99 343	86		74, 882 99, 265	2, 369 7, 647	145 601	205 648	64 694	91 418		2, 874
North Dakota	22, 957	471	156	6			23, 590	19	3	14	2	1		39
South Dakota Nebraska	18, 581 49, 636	789 1, 983	168 630	42	3		19, 542 52, 294	8,800	46	5	1		19 470	8, 852
Kansas	69, 277	1, 908	564	28	1		71, 778	1, 335	390	245	46	15	13, 478	13, 478 2, 031
East South Central	112, 139	4, 946	2, 130	162	19	398	119,794	4, 497	584	590	100	21	4, 056	9,848
Kentucky 3	28, 845	1, 957	753	58	8		31, 621							
Tennessee	29, 152 30, 228	1, 322 1, 052	500 277	72	1	388	31, 434 31, 575	2, 258	438	491	86	21	4, 056	3, 29
Mississippi	23, 914	615		25	10		25, 164	2, 239	146	99	14		4, 000	4, 056 2, 498
West South Central	259, 558	29, 120	9, 856	1, 177	307	1, 170	301, 188	32, 841	5, 952	5, 816	812	174		45, 595
Arkansas	22, 068	775	143	2	1		22, 989	2, 145	285	428	146			3, 00
LouisianaOklahoma 3	37, 791 38, 628	2, 159 4, 321	628 1, 576	72 326	33	1, 170	41, 853 44, 884	3, 281	1, 308	1, 685	219			6, 493
Texas	161, 071	21, 865		777	240		191, 462	27, 415	4, 359	3, 703	447	174		36, 09
Mountain	115, 478	7,728	3,007	502	346	56	127, 117	12, 938	510	428	91	108	60	14, 13
Montana	19, 514	776	203	28			20, 521						60	6
Idaho Wyoming	12, 417 9, 163	1, 176 476	365 230	50 10			14, 030 9, 879	9, 912	73	60	10			10, 05
Colorado	27, 368	2, 286	514	109	24	56	30, 357	225	197	126	23	13		58
New Mexico		1,049	160	15 102			15, 020 14, 687	500 1,490	71 130	38 127	6 38	71		619
Utah	13, 980	1, 159	731	134	92		16, 096	221	30	59	12	3		1,85
Nevada	5, 831	317		54	42		6, 527	578	8	14	1	17		61
Pacifie	274, 271	30, 812	18, 503	2,387	6, 455	52	332, 480	56, 984	4,658	3,675	1,284	2, 154	*******	68,75
Washington	52, 337	6, 845	3, 279	456			63, 826	3, 617	182	245	44	208	******	4, 29
alifornia	27, 224 194, 710	4, 307 19, 660	1, 502 13, 722			52	34, 477 234, 177	52, 570	283 4, 193	343	85 1, 155	198 1, 748	**********	1, 70
Grand total	2, 681, 985	341, 285	128 929	28 544						-	-	-	94 591	
Grand total	2, 681, 985	341, 285	128, 938	28,544	44, 056	4,507	3, 229, 315	326, 183	25, 705	23,781	6,372	8,714	24, 521	415,

In all cases, these vehicles are unclassified tractor trucks. Full trailers prohibited. Semitrailers registered with tractor trucks. No registration of trailers or semitrailers in 1932.

4. In those States which imposed unusually high registration fees on heavy trucks the number of such vehicles was almost invariably small and the revenues correspondingly low. This was particularly true in a number of Southern States in which high registration ity registered in 1932—a 6-ton truck, paying \$375. fees were combined with high gasoline taxes.

In Georgia, for example, the rates for trucks of over 5 tons capacity were as follows: 6 tons, \$375; 7 tons, \$750; over 7 tons, \$1,125. Against this imposing array of fees we find but one truck of more than 5 tons capacity fees we find but one truck of more than 5 tons capacity.

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In North Dakota, where the rate on 5-ton trucks was \$400 and on those over 5 tons, \$600 to \$1,500, with reductions after the first year of registration, we find six 5-ton trucks paying a total of \$1,404, and none over 5 tons. In South Dakota, where the schedule of rates, based on chassis weights, was also very high, only four 5-ton trucks were registered, with total collections of \$1,300.

One apparent effect of high registration fees was to bring about the registration of heavy trucks for only a part of the year. In Alabama only one truck of more than 5 tons capacity was registered, a 6-ton truck paying \$187.50, or one-fourth the annual fee of \$750. In Arkansas, similarly, one 6-ton truck paid \$100, the annual rate being \$400. In Texas a rate of \$4 per hundred-weight applied to trucks having gross weights of 26,000 pounds or more was apparently not productive, as the average payment reported for trucks of more than 5

tons capacity was only \$144.23.

In Louisiana the law provided that trucks with a net carrying capacity greater than 5 tons should be charged \$150 for each thousand pounds carrying capacity in excess of 5 tons, in addition to a fee of 68 cents per horsepower and \$32 per ton for the first 5 tons (\$50 per ton for common carriers). City trucks were exempted from this schedule and paid at the rate of \$10 per ton plus 68 cents per horsepower. No private trucks were reported as paying the high rates cited above. Five common carriers having capacities of more than 5 tons paid a total of \$323. Of city trucks there were 28 of more than 5 tons capacity and the total collections from them were \$3,050. Thus we have a relatively low rate of registration fee producing nearly 10 times the revenue obtained from a very high

rate applied to vehicles of the same capacity group.

The conclusion is inescapable that such unusually high rates, if effective at all, succeed only in discouraging or virtually prohibiting the registration of heavy vehicles. A more logical procedure in devising a schedule of registration fees for a given State would seem to be, first, to fix definitely the maximum load to be permitted on the roads, and then to adjust the scale of fees with a view of obtaining a maximum yield. It is a recognized principle that heavy vehicles should pay the additional costs of highways designed to support their loads, so far as those costs can be determined. It is not always realized that one of the variables entering into the computation is the number of such vehicles which may be registered in a State. Laws which impose exorbitant fees on heavy trucks tend to defeat the purpose for which they were enacted, if that purpose was to increase the income of the State.

5. In a comparison of the registration of heavy trucks with the mileage of high-type State highways it was found that in a number of the States having very low registrations in this class of vehicles, there are considerable mileages of high-type road, and particularly of portland-cement concrete. Conspicuous examples of this situation are shown in table 9.

One could hardly say that the 1,922 miles of concrete road in South Carolina were built primarily to accommodate the three 5-ton trucks which were registered, or even the 357 trucks which had capacities of 3 tons or more. Similarly, in Alabama, Arkansas, Georgia, and even in Indiana, the number of such trucks is so small as to be a negligible factor in the traffic on the high-type roads. It should also be remembered that a large proportion of the movement of heavy trucks takes place within the limits of cities.

Table 9.—Comparison of heavy trucks registered with mileage of high-type State highways existing in 1932

	Number of trucks of	High-type S ways 1 in	
State	5 tons capacity or more	All high- type	Portland cement concrete
Alabama. Arkansas. Florida. Georgia. Indiana. Letucky Louisiana. South Carolina Tennessee	8 3 80 21 181 66 105 3	1, 049 2, 002 1, 398 1, 747 4, 174 1, 627 2, 041 2, 370 2, 251	1, 05 3, 43 73 1, 79 1, 92 1, 19

 $^{\circ}$ From annual table published by the Bureau, "State highway mileage existing in 1932."

Very different relations are shown if we take certain other States, such as New York, with 18,233 trucks of 5 tons or more capacity, and 10,716 miles of high-type State highways; Wisconsin, with 1,067 such trucks and 4,138 high-type miles; or Wyoming, with 240 trucks of 3 tons or more capacity, 10 of 5 tons or more, and 35 miles of high-type surface. Nevertheless, the inference is very clear that concrete and other high-type surfaces are constructed primarily in response to the present and anticipated demands of the motoring public in general, rather than specifically to support the traffic of heavy trucks.

FOR-HIRE CARRIERS OF PROPERTY

The analysis of the reports submitted in this survey and of laws in effect in 1932 indicates that for-hire carriers of property were, in one way or another, recognized as separate classes of vehicles in all States except Maine, New Hampshire, Connecticut, New York, New Jersey, Delaware, the District of Columbia, and Nebraska. Laws were passed in Maine and New Hampshire providing for the regulation of for-hire carriers in 1933.

A number of States which have such regulations failed to report separately the numbers of for-hire vehicles or their payments of fees; these States were Rhode Island, Pennsylvania, Indiana, Illinois, Tennessee, and Mississippi. In all, 35 States reported for-hire carriers in such a manner that they could be included in the tabulations of national totals, percentages, and averages.

The statisticians for each State were requested to report contract carriers and common carriers separately. This could not be done in all cases, because of the lack of uniformity among the States in the classes into which property carriers are divided. Some States recognize and regulate only one class of for-hire carriers, while others have three or more. There is no universally accepted definition of a common carrier, and it was necessary in a number of cases to exercise judgment as to the class to which a given group of vehicles should be assigned. It was decided to regard the term "contract carrier" as the more general classification, and to include in that group all for-hire carriers other than those definitely assignable to the common-carrier class. Where contract and common carriers were reported together, they were assigned to the contract group. This was done in the case of three States, Arkansas, Ohio, and West Virginia, and probably in the case of Massachusetts, which reported only contract carriers.

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Contract-carrier trucks were reported in 26 States, and contract-carrier trailers in 20 States. Thirty-one States reported common-carrier trucks and 24 States reported common-carrier trailers. A segregation of for-hire property carriers into contract and common was available for trucks in 22 States and for trailers in 16 States.

The tabulation of contract carriers also includes a small number of private carriers operating in commerservice and subject to special taxation.

SPECIAL TAXATION IMPOSED ON FOR-HIRE CARRIERS IN MAJORITY OF STATES

Of the 41 States which recognized for-hire carriers of property as a special class of vehicle, all but five—Vermont, Massachusetts, Rhode Island, Indiana, and Illinois—imposed higher taxes in 1932 upon contract or common carriers, or both, than those which privately operated carriers were required to pay, although in a few States certain classes of private carriers were included in the increased taxation. In some States the increase took the form of higher registration fees; in other States special fees, such as have been described in the case of public-carrier busses, were imposed.

Excess registration fees.—Registration fees in excess of the private-carrier rate were paid by contract-carrier trucks in Florida, Idaho, North Carolina, North Dakota, South Carolina, Virginia, and West Virginia. Higher rates were also paid by for-hire carriers in Arkansas, which reported contract and common carriers together. In Arkansas and Florida special fees were paid in addition to the excess registration fees. In Massachusetts, Minnesota, and Missouri contract carriers paid registration fees at the private-carrier rate, and no special fees.

Common-carrier trucks paid excess registration fees in the following States: Florida, Idaho, Louisiana, Minnesota, North Carolina, and North Dakota. Additional special fees were paid in all these States except Louisiana.

In Maryland, South Carolina, and West Virginia, common carriers were not required to pay registration fees, ton-mile taxes being assessed in lieu thereof. In California common carriers paid a receipts tax and no registration fees. In New Mexico the rate of registration fee on common carriers was one-half the private rate.

Mileage taxes.—Taxes based on mileage traveled were imposed on contract carriers of property in Florida, Georgia, Kentucky, and Oklahoma; and on common carriers in Alabama, Florida, Georgia, Kentucky, New Mexico, and Oklahoma. In Tennessee and Mississippi for-hire carriers and certain classes of private carriers were required to pay a mileage tax. In Oklahoma class C motor carriers (private carriers who make a charge for the delivery of goods) were also required to pay a mileage tax.

In all these States except Oklahoma the rate per mile increased with the weight or capacity of the vehicle. In Alabama, for example, the rates varied from ½ cent per mile for vehicles under 2 tons capacity to 2 cents per mile for trucks of 5 tons capacity or more. In New Mexico the rates varied from ½ cent per mile for vehicles of 1½ tons capacity or less to 3 cents per mile for vehicles of more than 5 tons capacity. In Oklahoma the rate was ½ cent per mile for contract and class C carriers, and % cent per mile for common carriers.

Ton-mile taxes.—Ton-mile taxes were imposed on contract carriers of property in Colorado, Kansas,

Utah, Wisconsin, and Wyoming, and on common carriers in Colorado, Iowa, Kansas, Maryland, Oregon, South Carolina, Utah, West Virginia, Wisconsin, and Wyoming. In Wisconsin and Kansas certain classes of private carriers were also required to pay a ton-mile tax.

In 3 States—Wyoming, Colorado, and Utah—the rates were based on revenue ton-miles, that is, the sum of the products of all revenue cargoes times the miles each cargo was carried. The rate in Wyoming was ½ cent per ton-mile; in Colorado, ½ cent; and in Utah, ¾ cent on hard-surfaced roads and ¾ cent on other roads.

In West Virginia the ton-mile tax on common carriers was based on the capacity of the vehicle times the scheduled mileage. In the remaining States the gross ton-mile was the basis of the tax. Of these States, the law in Iowa and Oregon stipulated that the gross weight used should include the weight of the vehicle and its maximum load. In Kansas the gross weight included the weight of the vehicle plus twice its capacity load. In Maryland, South Carolina, and Wisconsin, the rated capacity was added to the weight of the vehicle in computing the tax.

The rates charged per ton-mile in these States varied from ½ cent in Kansas to ½ cent charged in South Carolina against trucks having gross weights of more than 7 tons.

Receipts taxes.—Taxes on gross receipts were imposed on contract carriers of property only in Arkansas, which reported contract and common carriers together, and in Pennsylvania, which imposed the tax on all for-hire vehicles, but did not segregate for-hire carriers of property from other carriers. Receipts taxes were imposed on common carriers in Arizona, California, Idaho, North Carolina, South Dakota, Virginia, and Washington. In North Carolina the payments of registration fees were credited against the gross receipts tax, and in California the receipts tax was in lieu of registration fees. The rates paid in these nine States varied from 0.8 percent in Pennsylvania to 6 percent in North Carolina.

Other special fees. - Fees for the issuance of certificates of convenience and necessity, or equivalent permits, were paid by both contract and common carriers in Colorado, Georgia, Kentucky, New Mexico, Oklahoma, South Dakota, Texas, and Wyoming; and by common carriers only in Alabama, Minnesota, North Dakota, and Wisconsin. Franchise or permit fees at flat rates per vehicle were assessed on both contract and common carriers in Georgia, Montana, Texas, and Wisconsin, on contract carriers in Iowa, and on for-hire carriers operating as transfer companies in Tennessee. Franchise or special license fees increasing with the weight or capacity of the vehicle were paid by contract and common carriers in Michigan, Ohio, and Nevada; by contract carriers only in Oregon and South Dakota; and by common carriers only in Missouri, Oklahoma, and Tennessee.

ONLY A PART OF ALL FOR-HIRE CARRIERS REPORTED

In all, there were reported 96,670 for-hire carriers of property, consisting of 87,825 trucks and 8,845 trailers and semitrailers. The tabulation of these vehicles by class of service is as follows:

For-hire trucks and tractor trucks:	
Contract-carrier	70, 956
Common-carrier	16, 869
For-hire trailers and semitrailers:	
Contract-carrier	5, 008
Common-carrier	3 837

Table 10.—State taxes imposed on contract carriers of property in 1932; national totals and averages

REGISTRATION FEES AND MOTOR-FUEL TAXES

Rated capacity	Num- ber	Num- fuel taxes			r registrati	ion fees	Excess	registrati	on fees	Total	registratio	n fees	Total registration fees and motor-fuel taxes			
Rated capacity	regis- tered	Amount	Aver- age per vehicle	Num- ber of vehicles	Amount collected	Average per vehicle	Num- ber of vehicles	Amount collected	Aver- age per vehicle	Num- ber of vehicles	Amount	Aver- age per vehicle	Num- ber of vehicles	Amount	Average per vehicle	
Tons																
Trucks and tractor trucks: 1½ and less Over 1½ and less than 3 3 and less than 5 Over 5	45, 306 14, 613 7, 794 800 1, 303	\$2, 412, 710 996, 516 690, 141 90, 225 169, 493	\$53, 25 68, 20 88, 55 112, 78 130, 08	45, 306 14, 613 7, 794 800 1, 303	\$855, 760 601, 485 525, 591 74, 595 114, 206	\$18.89 41.16 67.44 93.24 87.65	14, 043 2, 341 1, 962 176 23	\$223, 161 67, 552 62, 635 10, 316 2, 006	\$15. 89 28. 86 31. 92 58. 61 87. 22	45, 306 14, 613 7, 794 800 1, 303	\$1, 078, 921 669, 037 588, 226 84, 911 116, 212	\$23. 82 45. 78 75. 47 106. 14 89. 19	45, 306 14, 613 7, 794 800 1, 303	\$3, 491, 631 1, 665, 553 1, 278, 367 175, 136 285, 705	\$77. 03 113. 96 164. 03 218. 93 219. 2	
Total classified	24	4, 359, 085 2, 142 80, 254	62. 44 89. 25 71. 91	69, 816 24 1, 116	2, 171, 637 382 31, 418 2, 518	31. 11 15. 92 28. 15	18, 545	365, 670	19. 72	69, 816 24 1, 116	2, 537, 307 382 31, 418 2, 518	36. 34 15. 92 28. 15	69, 816 24 1, 116	6, 896, 392 2, 524 111, 672 2, 518	98. 7 105. 1 100. 0	
Total	70, 956	4, 441, 481	62. 59	70, 956	2, 205, 955	31.09	18, 545	365, 670	19. 72	70, 956	2, 571, 625	36. 24	70, 956	7, 013, 106	98, 8	
Trailers and semitrailers: 1½ and less. Over 1½ and less than 3. 3 and less than 5. 5. Over 5.	943			41.00	10, 399 18, 953 81, 085 28, 113 40, 457	9. 36 20. 10 43. 90 57. 96 65. 04	526 523 578 161 9	4, 837 14, 390 22, 399 6, 307 1, 937	9. 20 27. 51 38. 75 39. 17 215. 22	1, 111 943 1, 847 485 622	15, 236 33, 343 103, 484 34, 420 42, 394	13. 71 35. 36 56. 03 70. 97 68. 16				
Total	5, 008			5, 008	179, 007	35. 74	1, 797	49, 870	27. 75	5, 008	228, 877	45, 70				

SPECIAL FEES

	Mileage	or ton-mi	le taxes	R	eceipts tax	es	fees,	ise fees, cer and other us special	miscel-		pecial fees registration		All fees and taxes			
Rated capacity	Num- ber of vehi- cles	Amount	Average per vehicle	Num- ber of vehi- cles	Amount collected	Average per vehicle	Num- ber of vehi- cles	Amount	Average per vehicle	Num- ber of vehi- cles	Amount collected	Average per vehicle	Num- ber of vehi- cles	Amount	Average per vehi-	
Tons																
Trucks and tractor trucks; 1½ and less. Over 1½ and less than 3. 3 and less than 5. Over 5.	1, 073 706 333 57 5	\$25, 767 36, 149 28, 494 4, 134 714	\$24. 01 51. 20 85. 57 72. 53 142. 80	888 225 43 1	\$17, 789 6, 845 1, 962 73	\$20, 03 30, 42 45, 63 73, 00	10, 438 7, 350 3, 106 289 461	\$170, 021 173, 468 136, 055 18, 504 43, 442	\$16. 29 23. 60 43. 80 64. 03 94. 23	24, 591 9, 727 5, 104 471 488	\$436, 738 284, 014 229, 146 33, 027 46, 162	\$17.76 29.20 44.90 70.12 94.59		\$3,705,208 1,882,015 1,444,878 197,847 329,861	\$81, 75 128, 75 185, 35 247, 3 253, 16	
Total classified Not classified by capacity 1 Not segregated 2 Undistributed fees 3	2, 174 10 647	95, 258 825 67, 330	43, 82 82, 50 104, 06	1, 157	26, 669	23.05	21, 644 10 1, 116 279	541, 490 7 13, 371 1, 395	25. 02 . 70 11. 98 5. 00	40, 381 10 1, 116 279	1, 029, 087 832 80, 701 1, 395	25. 48 83. 20 72. 31 5. 00	69, 816 24 1, 116	7, 559, 809 3, 356 192, 373 3, 913	108. 2 139. 8 172. 3	
Total	2, 831	163, 413	57.72	1, 157	26, 669	23. 05	23, 049	556, 263	24. 13	41, 786	1, 112, 015	26. 61	70, 956	7, 759, 451	109.3	
Trailers and semitrailers: 1½ and less Over 1½ and less than 3 3 and less than 5 5 Over 5.	43 45 55 5	965 1, 317 2, 039 97	22. 44 29. 27 37. 07 19. 40	125 59 195 93	1, 837 2, 109 9, 964 6, 833	14. 70 35. 75 51. 10 73. 47	311 231 1,035 216 245	1, 828 3, 139 31, 042 9, 580 11, 315	5. 88 13. 59 29. 99 44. 35 46. 18	837 754 1, 614 377 254	9, 467 20, 955 65, 444 22, 817 13, 252	11. 31 27. 79 40. 55 60. 52 52. 17	1, 111 943 1, 847 485 622	19, 866 39, 908 146, 529 50, 930 53, 709	17. 8 42. 3 79. 3 105. 0 86. 3	
Total classifiedUndistributed fees	148	4, 418	29. 85	472	20, 743	43. 95	2, 038 76	56, 904 380	27, 92 5, 00	3, 836 76	131, 935 380	34. 39 5. 00	5, 008	310, 942 380	62. (
Total	148	4, 418	29. 85	472	20, 743	43.95	2, 114	57, 284	27. 10	3, 912	132, 315	35.82	5,008	311, 322	62.	

¹ See p. 191.

² See p. 191. Estimated payments of registration fees and gasoline taxes by these vehicles are included.

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ber of the property carriers in the United States operating as contract and common carriers in 1932. Thirtyfive States are represented in the totals, but those which are omitted—Maine, New Hampshire, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, the District of Columbia, Indiana, Illinois, Nebraska, Tennessee, and Mississippi—include several of the most populous States in the Haine Institute of the Maine Institute of the most populous States in the Haine Institute of the most populous States in the Union. In view of this fact it would be hazardous to make an estimate of the total number of for-hire carriers operating in 1932. The validity of such an estimate would be further impaired by the fact that nine States reported common

These figures represent only a part of the total num- in State laws and regulations and the various classes of operation, such as city hauling and the hauling of farm products, which are exempted in a number of States, indicate that the totals obtained in this survey are considerably below the total number of for-hire car-

riers in the 35 States reporting such vehicles.

The National Code Authority for the trucking industry, operating under the National Recovery Administration, is conducting a registration of vehicles engaged in the transportation of property for hire. This registration is designed to show the number of vehicles actually operating for hire, and not the number regulated by law. The registration was not complete carriers but no contract carriers. The wide differences at the time of preparation of this report. The total

Table 11.—State taxes imposed on common carriers of property in 1932; national totals and averages REGISTRATION FEES AND MOTOR-FUEL TAXES

Rated capacity	Num- ber	Estimated payments of motor- fuel taxes		Regula	r registrati	ion fees	Excess	registrati	on fees	Total	registratio	n fees		egistration (otor-fuel tax	
	regis- tered	Amount	Average per vehicle	Num- ber of vehicles	Amount	Aver- age per vehicle	Num- ber of vehicles	Amount collected	Aver- age per vehicle	Num- ber of vehicles	Amount	Average per vehicle	Num- ber of vehicles	Amount	A ver- age per vehicle
Tons															
Trucks and tractor trucks: 11/4 and less Over 11/5 and less than 3 3 and less than 5 5 Over 5	6, 755 4, 162 2, 686 430 640	\$411,732 333,186 260,044 49,576 90,707	\$60, 95 80, 06 96, 82 115, 29 141, 73	6, 162 3, 515 2, 161 306 393	\$114, 395 141, 776 146, 339 30, 727 52, 087	\$18. 56 40. 33 67. 72 100. 42 132. 54	862 449 153 13 3	\$23, 420 19, 309 17, 238 3, 055 1, 529	\$27. 17 43. 00 112. 67 235. 00 509. 67	6, 162 3, 515 2, 161 306 393	\$137, 815 161, 085 163, 577 33, 782 53, 616	\$22.37 45.83 75.70 110.40 136.43	6, 755 4, 162 2, 686 430 640	\$549, 547 494, 271 423, 621 83, 358 144, 323	\$81.3 118.7 157.7 193.8 225.5
Total classified. Not classified by capacity 1. Not segregated 2.	14, 673 98 2, 098	1, 145, 245 8, 418 101, 762	78. 05 85. 90 48. 50	12, 537 46 2, 098	485, 324 1, 150 49, 901	38. 71 25. 00 23. 79	1, 480	64, 551	43. 62	12, 537 46 2, 098	549, 875 1, 150 49, 901	43. 86 25. 00 23. 79	14, 673 98 2, 098	1, 695, 120 9, 568 151, 663	115. 5 97. 6 72. 2
Total	16, 869	1, 255, 425	74. 42	14, 681	536, 375	36. 54	1, 480	64, 551	43. 62	14, 681	600, 926	40. 93	16, 869	1, 856, 351	110. 0
Trailers and semitrailers: 1½ and less Over 1½ and less than 3. 3 and less than 5. 5. Over 5.	452 682 1, 378 519 806			358 587 1, 168 351 392	4, 629 15, 731 54, 448 24, 684 31, 549	12. 93 26. 80 46. 62 70. 32 80. 48	147 178 155 59 24	1, 784 2, 943 7, 375 6, 306 2, 308	12. 14 16. 53 47. 58 106. 88 96. 17	358 587 1, 168 351 392	6, 413 18, 674 61, 823 30, 990 33, 857	17. 91 31. 81 52. 93 88. 29 86. 37	~~~~~		
Total	3, 837	*******		2,856	131, 041	45. 88	563	20, 716	36, 80	2, 856	151, 757	53. 14			

SPECIAL FEES

	Mileage	or ton-mi	le taxes	R	eceipts tax	es	fees,	ise fees, cer and other	miscel-	Total s	pecial fees registration	and ex-	All	fees and to	axes
Dated consolite							laneo	us special	fees	CCOO	CE ISTITUTE OF	1 1000			
Rated capacity	Num- ber of vehi- cles	Amount	Average per vehicle	Num- ber of vehi- cles	Amount	Average per vehicle	Num- ber of vehi- cles	Amount collected	Average per vehicle	Num- ber of vehi- cles	Amount	Average per vehicle	Num- ber of vehi- cles	Amount	A ver- age per vehi- cle
Tons															
Trucks and tractor trucks: 1½ and less. Over 1½ and less than 3. 3 and less than 5. Over 5.	2, 488 1, 732 920 198 260	\$119, 994 130, 398 116, 595 33, 485 79, 552	\$48. 23 75. 29 126. 73 169. 12 305. 97	1,744 997 820 115 289	\$47, 494 57, 605 72, 483 16, 567 69, 738	\$27. 23 57. 78 88. 39 144. 06 241. 31	3, 976 2, 380 1, 316 211 112	\$76, 539 66, 926 53, 912 7, 731 7, 931	\$19, 25 28, 12 40, 97 36, 64 70, 81	6, 338 3, 918 2, 536 420 634	\$267, 447 274, 238 260, 228 60, 838 158, 750	\$42. 20 69. 99 102. 61 144. 85 250. 39	6, 755 4, 162 2, 686 430 640	\$793, 574 749, 200 666, 611 141, 141 301, 544	\$117. 40 180. 0 248. 19 328. 2 471. 10
Total classified Not classified by capacity 1 Not segregated 2	5, 598 46	480, 024 2, 158	85, 75 46, 91	3, 965 2, 098	263, 887 23, 471	66. 55	7, 995 46 2, 098	213, 039 56 13, 500	26, 65 1, 22 6, 43	13, 846 46 2, 098	1, 021, 501 2, 214 36, 971	73. 78 48. 13 17. 62	14, 673 98 2, 098	2, 652, 070 11, 782 188, 634	180. 7- 120. 2 89. 9
Undistributed fees 3	551	35, 821	65. 01				267	10, 680	40, 00	551	46, 501	84. 39		46, 501	
Total	6, 195	518, 003	83. 62	6, 063	287, 358	47. 40	10, 406	237, 275	22.80	16, 541	1, 107, 187	66. 94	16, 869	2, 898, 987	171.8
Trailers and semitrailers: 13/2 and less. Over 13/2 and less than 3. 3 and less than 5. 5. Over 5.	235 256 40	12, 043 12, 345 15, 402 4, 915 33, 987	59. 03 52. 53 60. 16 122. 88 217. 87	209 260 416 215 485	6, 775 13, 928 34, 851 27, 431 130, 032	32. 42 53. 57 83. 78 127. 59 268. 11	164 360 819 228 224	4, 030 6, 938 31, 730 15, 545 14, 620	24. 57 19. 27 38. 74 68. 18 65. 27	422 652 1, 309 456 785	24, 632 36, 154 89, 358 54, 197 180, 947	58. 37 55. 45 68. 26 118. 85 230. 51	452 682 1, 378 519 806	29, 261 51, 885 143, 806 78, 881 212, 496	64. 7 76. 0 104. 3 151. 9 263. 6
Total classified Undistributed fees 3	891 154	78, 692 7, 227	88. 32 46. 93	1, 585	213, 017	134. 40	1, 795 154	72, 863 770	40. 59 5. 00	3, 624 154	385, 288 7, 997	106, 32 51, 93	3, 837	516, 329 7, 997	134. 5
Total	1,045	85, 919	82. 22	1, 585	213, 017	134. 40	1, 949	73, 633	37. 78	3, 778	393, 285	104. 10	3, 837	524, 326	136, 6

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² See p. 191. Estimated payments of registration fees and gasoline taxes by these vehicles are included.

¹ See pp. 191 and 192.

is the figure for load-carrying vehicles, i.e., trucks, traders, and semitrailers, but not tractor trucks.

PAYMENTS BY PROPERTY CARRIERS ANALYZED

National totals and averages for contract and common carriers of property are given in tables 10 and 11, respectively. Certain items in these tables require explanation. In order to emphasize the fact that certain States exact higher registration fees from forhire carriers than from those privately owned and operated, the excess payments in those States have been tabulated separately. Total payments of registration fees, however, are also given. In order to show the total amounts paid in additional fees, special fees and

⁶A.T.A. Registration Bulletin, Sept. 24, 1934; published by the American Trucking Association.

reported as of September 21, 1934, was 244,573. This excess registration fees are tabulated together under the heading "Total special fees and excess registration fees"

> In table 1 and in the discussion on page 191, attention was called to a group of contract and common carriers in Montana, Oklahoma, and South Dakota, which were not segregated from private carriers, although their payments of special fees were given separately. In tables 10 and 11 these vehicles are tabulated separately; and estimates have been made of their payments of gasoline taxes and registration fees on the basis of the average payments by other classes of trucks in Montana, Oklahoma, and South Dakota.

The special fees tabulated do not include all payments of such fees by for-hire carriers. Among the payments which could not be properly allocated were receipts

taxes paid by all for-hire carriers in Pennsylvania, tonmile taxes paid by for-hire carriers and certain classes of private carriers in Kansas, mileage taxes and privilege taxes in Tennessee, and certificates fees in Texas and New Mexico.

Payments of registration fees and special fees by forhire carriers in the individual States will be found in tables 14 and 15, where all such payments are tabulated. A few examples of average payments in different States will serve to illustrate the range in charges against forhire carriers

Contract carriers.—Average payments of registration fees by contract-carrier trucks ranged from \$10.24 in Virginia to \$89 in Ohio. Average payments of all fees and taxes varied from \$55 in Missouri to \$256 in Nevada. As in the case of privately operated trucks, the average payments in most States increased rapidly with the size of the vehicle. Thus, average payments of registration fees by trucks of 1½ tons capacity and less varied from \$8.79 in Virginia to \$41 in Oregon. For trucks of more than 5 tons capacity the range was from \$35 in Massachusetts to \$313 in Iowa. For all fees and taxes, payments in the light-tonnage group varied from \$42 in Missouri to \$214 in Florida, and those in the heavytonnage group from \$163 in Massachusetts to \$759 in Kentucky.

Common carriers.—Average payments of registration fees by common-carrier trucks varied from \$13.56 in Missouri to \$84 in Oregon; and of all fees and taxes, from \$99 in Missouri to \$445 in Florida. The range of average payments by trucks of 1½ tons capacity and less was as follows: in registration fees, from \$10.50 in Missouri to \$47 in Idaho; in all fees and taxes, from \$70 in Colorado to \$408 in Florida. In the case of the heaviest capacity group (5 tons or more) registration fees varied from \$33 in Missouri to \$337 in Iowa, and all fees and taxes from \$276 in Louisiana to \$1,031 in Minnesota.

COMPARISON OF FEES REQUIRED FOR TYPICAL COMMON-CARRIER TRUCK OPERATION

The average payments by common carriers, as reported, do not accurately reflect the differences in tax rates among the States. Even if the bases and rates of taxation were the same for all States, average payments would vary because of such factors as differences in the frequency of part-year registrations, average mileage traveled, the volume of business, and the proportion of light and heavy trucks.

A few examples of the total legal payments required of a typical common-carrier truck operating under a given set of conditions will serve to illustrate the extreme range in taxation. In this computation we assume a truck of 5 tons capacity, operating 15,000 miles per year. Table 4 gives the net weight of such a truck as approximately 11,700 pounds and the gross weight as 21,700 pounds. The assumed gasoline consumption, at 5 miles per gallon, is 3,000 gallons. Comparative figures have been computed for the States of Florida, Michigan, Kansas, and New York.

This common-carrier truck would have paid fees at the following rates in the four States in 1932:

Florida: Registration fees at \$2 per 100 pounds gross weight, a gasoline tax of 7 cents per gallon, and a mileage tax of 2 cents per mile.

Michigan: Registration fees at \$1.25 per 100 pounds net weight, a gasoline tax of 3 cents per gallon, and a public utility permit fee of \$1 per 100 pounds net weight.

Kansas: Registration fees of \$100, a gasoline tax of 3 cents

Kansas: Registration fees of \$100, a gasoline tax of 3 cents per gallon, and a ton-mile tax of 0.5 mill per gross ton-mile, gross tonnage being twice the capacity plus net weight.

New York: Registration fees of 80 cents per 100 pounds net weight (same rate for all classes), and a gasoline tax of 2 cents per gallon until March 1 and 3 cents after that date. On the basis of the reported tax-earned gallonage, the average rate for the year was 2.86 cents.

The rates in Florida would have resulted in the following payments for the truck specified:

Registration f																					
Gasoline tax_ Mileage tax_	 	 -	_	 -	-	-	-	-	-	y 1	-	-	-	-	-	-	9 -	-	-	- 0	$\frac{210}{300}$
Total																					044

Total payments in the four States, computed in this manner, are as follows:

Florida	 \$944.00
Michigan	 353. 25
Kansas	 308. 88
New York	179 40

DISPOSITION OF STATE MOTOR-VEHICLE FUNDS

In table 12 there is given an analysis of the purposes to which funds derived from State motor-vehicle fees and gasoline taxes were devoted in 1932. No data of this character were obtained in the survey; but the regular motor-vehicle and gasoline-tax tables published annually by the Bureau (table MV-2 and table G-1) give the disposition, according to State laws, of the funds reported each year by the States. Table 12 was made up by combining the data on disposition of funds given in these two tables for the year 1932. Various small differences exist between the data given in table MV-2, 1932, as published in 1933, and the data obtained in this survey. Only a part of the special fees paid by for-hire carriers were included in the earlier tabulation; and on the other hand, certain items such as dealers' licenses and fines and penalties were included in table MV-2 and omitted from the survey. The gasoline-tax table also includes certain miscellaneous receipts not carried in the survey totals. These differences tend to balance, with the result that the total given in table 12, \$838,412,410, differs very little from the total of State fees and taxes, \$838,830,978, obtained as a result of this survey.

A total of \$20,383,242 was allotted from the motorvehicle and gasoline-tax receipts for costs of collection and administration. This is not the total expended for these purposes, as a number of States make special appropriations for administration or pay collection costs out of other funds. The total also includes certain special items, such as reserves for refunds of gasoline tax, which enter largely as a matter of bookkeeping.

The sum of \$457,700,193, or 54.59 percent of the total, was assigned to the State highway departments for construction and maintenance of State highways and bridges. In addition, \$64,779,967 was devoted to the payment of interest and retirement charges on State highway bonds. The amount thus allotted to State highways was 62.32 percent of the total motor-vehicle and gasoline-tax receipts.

County and local road administrations were allotted \$170,038,290, or 20.28 percent, and \$25,286,375, or 3.02 percent, was assigned for interest and retirement of county road bonds.

The amount allocated for expenditure on city streets

was \$18,144,645, or 2.16 percent of the total.

Other items allocated to construction and maintenance of roads and bridges were \$1,039,904, assigned in Massachusetts to the Metropolitan District Commission for the construction and maintenance of park boulevards, and \$196,000, assigned to the New Jersey Free Bridge Commission. Two additional items may

Table 12.—Disposition of funds obtained from State taxation of motor vehicles in 1932 1

	For collec- tion and	For constru maintena ral roads	ction and nce on ru-	For highway	ay bonds	Foreite	For State	For other purposes	For purpo	ses not relat	ed to roads	or streets	Total motor-
State	adminis- tration ²	State high- ways	Local roads		County road bond payments	For city streets	highway patrol	related to roads and streets	Schools	Unem- ployment relief	To general funds ²	Other purposes	vehicle fees and motor-fu taxes
labama	\$149, 450	\$3, 475, 321		\$2, 843, 809							*****		\$10, 039, 2
izona	174, 797	2, 426, 570 1, 025, 164	1,008,622	9 000 100	h. 700 + 40								3, 609,
kansas	194, 726 1, 664, 862		1, 048, 828 14, 990, 429	3, 969, 138	\$1, 723, 143		21 917 500					5 001 007	7, 960,
olorado	158, 272	4, 710, 625	2, 385, 057			\$162 240	\$1, 817, 590					° \$31, 967	45, 520, 7, 416,
nnecticut	1, 032, 587	11, 653, 875	2, 000, 001	~~~~~~~		\$10e, 210						******	12, 686,
elaware		1, 247, 527		478, 779	382, 240								2, 108,
orida	350, 266	6, 220, 638	864		6, 218, 047				\$4, 937, 001		\$2,072,683		19, 799,
orgia	4, 200	11, 590, 657	1, 989, 102					***********	1, 989, 101		191, 277		15, 764
aho	96, 165	2, 128, 586	1, 341, 912	328, 751			1 150 000					0 9, 142	3, 904
diana	182, 098 395, 678	24, 002, 038 18, 117, 949	12, 023, 984 3, 124, 126	8, 302, 613		1 041 200	1, 150, 000						45, 720 22, 830
wa	619, 859	14, 548, 787	3, 498, 780		1 600 000	1,041,575	150, 962			******	7 999 200		20, 640
ansas	214, 264	9, 045, 212	3, 600, 000		1, 000, 000						919, 999		12, 859
entucky	438, 834	11, 837, 945	579, 964										12, 856
ouisiana	139,000	6, 914, 205		3, 707, 375					830, 072			8 830, 072	12, 420
aine	478, 450	2, 769, 091	2, 116, 239	1, 704, 910			142, 324						7, 211
aryland	357, 639	8, 414, 384		405 405		2, 103, 595						9 75, 000	10,950
a.sachusetts	1, 568, 341	19, 636, 155	11 995 905	495, 496				10\$1, 039, 904				11 35, 000	23, 086
lichigan	1, 067, 592 315, 210	23, 392, 187 12, 996, 555	11, 335, 287 3, 333, 519	4, 082, 059 423, 950	9 000 999		389, 914				3, 615 56, 797	12 25, 668	40, 296
lississippi	219, 262	2, 978, 798	4, 229, 487	339, 053	2, 990, 220			13 215, 103			96, 797		7, 981
issouri	658, 289	13, 196, 941	1, 220, 101	4, 919, 027				210, 100					18, 774
lontana	75, 728	2, 513, 150	1, 250, 047									14 89, 271	3, 984
ebraska	117, 856	6, 819, 738	4, 221, 023		********								11, 158
evada	30, 541	977, 177	********										1, 123
ew Hampshire	257, 103	3, 826, 124						16 196, 000					4,742
ew Jersey	377, 201 99, 071	9, 671, 794 1, 324, 258	7, 310, 000	1, 260, 000		5, 000, 000	15 66, 880	10 196, 000		\$8, 116, 024		. 17 90, 000	32, 087
20 1	960, 760	22, 417, 669	281, 363 15, 901, 228	1, 170, 168						11 420 420	105, 511		2, 980 83, 852
orth Carolina		3, 111, 319	6, 417, 508	8, 453, 741	484 635		151 494	19 124, 587		11, 450, 452	990 018	*******	
orth Dakota		2, 227, 730	1, 311, 379					1 227, 001			223, 010		3, 63
hio	685, 532	23, 872, 054	21, 683, 703			6, 452, 862							
klahoma	186, 073	9, 139, 670	5, 124, 809		********						21, 181		14, 47
rezon	391, 894	5, 866, 699	1, 473, 581	4, 128, 172			279,000	********		******	*******		12, 13
ennsylvania hode Island	2, 636, 670 278, 193	46, 188, 457	5, 056, 398	6, 044, 150									
outh Carolina		2, 705, 120 2, 228, 351	772, 576 1, 037, 488	285, 331 93, 027									
outh Dakota		3, 405, 398	1, 890, 684	95, 027			1/1, 2/8						
ennessee		6, 840, 098	3, 458, 305	1, 902, 067		**********							
exas	741, 261	22, 105, 583	8, 402, 797	2, 000, 001	2, 203, 177		1		6, 765, 939		2,120,100		40, 21
tah	69, 663	2, 167, 352		737, 500									2,97
ermont		3, 808, 061		285, 000									4,09
irginia	385, 883		3, 242, 880	*******						*********			17, 05
Vashington Vest Virginia	605, 628 199, 849	9, 957, 797	2, 582, 832				79, 800		*****	******			13, 22
Visconsin			8, 088, 269	7, 657, 168	2, 853, 404	597, 360					20 1 797 166		9, 01
Vyoming	822, 200	1, 462, 081	354, 506		2, 800, 404	397, 300	********						
Dist. of Columbia	120, 560		334, 300			21 2, 787, 204							2, 90
Total	20 202 040						-	-				-	
Total Percentage distri-	20, 383, 242	457, 700, 193	170,038,290	64, 779, 967	25, 286, 375	18, 144, 645	5, 597, 076	1, 575, 594	14, 522, 113	19, 546, 456	39, 652, 339	1, 186, 120	838, 41
bution	2. 43	54, 59	20. 28	7.73	3.02	2, 16	0.67	0. 19	1.73	2, 33	4, 73	0.14	1

This table was made up from the annual tables published by the Bureau, table MV-2, motor vehicle receipts, 1932, and table G-1, State gasoline taxes, 1932. Many of the notes accompanying these tables have been omitted, and the reader is referred to them for more detailed description of the items in this table.

Many States pay collection cost from other State funds; for details see table MV-2 and table G-1. Administration cost includes balances allocated to reserve funds for administrative purposes.

To State general fund unless otherwise noted.

The totals given in this column are the sum of the total gross receipts from motor-vehicle taxes, \$324,273,510, as given in table MV-2, 1932, and the grand total earnings under the gasoline-tax laws, \$514,138,900, as given in table G-1, 1932. The latter sum includes \$1,091,661 of receipts under gasoline-tax laws other than gasoline taxes paid by motor vehicles.

Expenses of transportation of tax division of board of equalization.

A viation fund collected from aviation gasoline tax.

To county general fund.

To conservation department for oyster propagation.

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s To boards of commissioners of ports of New Orleans and Lake Charles Harbor.
To conservation department for oyster propagation.
To motor-vehicle liability insurance expenses.
From aviation gasoline tax allocated to aeronautics fund.
From solution gasoline tax allocated to aeronautics fund.
For sea walls protecting roads.
For referendum expenses and experimental equipment.
To State traffic commission.
To free bridge commission.
To department of commerce and navigation.
Includes \$1,486,937 to New York City general fund.
For prison camp expenses for road work.
To county general fund in lieu of personal property taxes on motor vehicles.
Includes \$105,996 for traffic signals.

be regarded as related to highway construction and maintenance. In Mississippi \$215,103 was allotted for carrying charges on bonds issued for the construction of sea walls which serve, in part, at least, to protect highways. Of this amount, \$117,817 was derived from a special gasoline tax levied for this purpose in three counties. In North Carolina \$124,587 was used to defray the expenses of prison camps maintained in connection with convict labor on roads.

Traffic control claimed a share of the motor-vehicle taxes. Twelve States assigned funds to the support of the State highway patrols; in addition, New Jersey allotted \$66,880 to the State traffic commission. The amount specifically assigned to traffic control, \$5,597,-076, was 0.67 percent of the total motor-vehicle fees and gasoline taxes

A total of \$74,907,028, or 8.93 percent, was devoted to purposes not related to roads and streets. Four

Table 13.—Motor vehicles registered and tax-paid in the United States in 1932, tabulated for each State by type of vehicle and class of service1

1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,																			V
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	State	Private cars 2	Taxicabs and other for-hire		School 3	Contract, including sight- seeing	Public carrier	1	Privately owned and operated ³	Contract		1	Privately owned and operated 6	Contract	Common	All trail- ers and semi- trailers	All	Motor- cycles	vehicles, including motor- cycles
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Alabama	193, 525			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	219	219	31, 516	1	59	31, 575	4, 056			4,056	229, 902	521	230
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	ona.	79,835			63	83	186	272	14, 151		536	14, 687	1,803	0477	53	1,856	130 567	309	130
1, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Insas	1 720 905		1 726	200		1 580	9 270	929 123	701,10	9 044	22, 369	61 853	714	006	62, 753	2, 037, 685	8, 338	2,046
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	rado	253, 752	367	254, 119	200	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1, 735	1, 735	28, 182	392	1, 783	30, 357	325	56	203	584	286, 795	802	287
1, 2, 2, 2, 3, 4, 2, 3, 1, 2, 3, 3, 4, 3, 3, 3, 4, 3, 3, 3, 4, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 4, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	ecticut	268, 187	1, 167	269, 354	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	838	838	51, 388	B		51, 388	1,290			1, 290	322, 870	1,940	324
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	ware	43, 311	1		202	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	162	364	8, 666		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8,666	674			674	53, 015	233	999
1,30,100 1,30,100	da	246, 281	1,318	247, 599		55	412	467	36, 855	852	248	37, 955	7,375	28	890	7, 522	293, 543	850	200
1, 20, 17 1, 1	g18	244, 392	990	244, 952	701	188	374	714	10, 977	900	188	14 030	0,700	1961	600	10,055	106 004	308	108
Control of the cont	0	1 300 701	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 505	1 696	177 890	7,000	100	177 800	8,900	97	1	8,903	1, 498, 050		1.503
Control of the cont	D.B.	874 930			70		2,000	2,040	199 010		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	122,019	93, 543	E		23, 543	820, 669		823
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		605, 693		605, 693	2.077		253	2.330	67,079		470	74. 882	2,608	241	25	2,874	685, 779		687
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	28	439, 794	100	439 805	100	18	185	100	65 489		550	71, 778	1,681	277	73	2,031	506, 815		507
138, 678 1,277 196, 600 148, 614 1	nekv	258, 179	1.118	259, 297	0 0 0 0 0 0 0	24	391	391	28, 710		458	31, 621	(2)	3		Ξ	291, 309	804	292
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	dana	195,083	1,517		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	424	424	41, 757		96	41, 853	6.447			6, 493	245, 370	099	246
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	O. C.	122 227	1,011	125,000			112	112	26 903		2	36 203	4 136			4, 136	175, 560	984	176
1,000, 150, 150, 150, 150, 150, 150, 15	land		1, 211	970 546			733	722	41 159	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	375	41 597	1 243	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	68	1,311	323, 417		324
1,007,189 10,799 10,1095 10,	dell'unioni fe	604 267	0, 999	404 257	643	1 700	1 650	4 001	27 777	18 189	0.50	109 950	109	428	3	1,117	802, 434	1. 473	803
1881 1885	gon		10 700	1 011 098	O.F.O.	1, 100	2,000	1,004	190, 760	1 409	1 001	193 973	75 700	108	938	77 538	1 213 762	2 998	1.216
135, 614 135, 515 136, 515 137, 515 136, 515 137, 515 136, 515	Asota	581 088	10,100	581 088	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PG4.	218	215	92,924	8,448	278	101,650	21, 023	416	06	21, 529	704, 482	1,704	206
Street	sippi	126, 551	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	126, 551	1, 789	304	33	2.026	25, 164			25, 164	2, 498			2, 498	156, 239		156
38, 611 38, 611 38, 611 39, 61	uri	617, 995	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	617, 995			200	200	98, 151	74	1,040	99, 265	9,894	18	98	10,008	727, 468		729
24, 67.5 53, 57.5 12,0 62, 294 104, 173 10, 173 <t< td=""><td>ana</td><td>88, 611</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>88, 611</td><td></td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>7.1</td><td>7.1</td><td>20, 144</td><td>282</td><td>80</td><td>20, 521</td><td>09</td><td></td><td></td><td>99</td><td>109, 263</td><td>188</td><td>108</td></t<>	ana	88, 611	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	88, 611		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.1	7.1	20, 144	282	80	20, 521	09			99	109, 263	188	108
3,5,581 6,6 3,5,783 110 11,50 13,50 17,375 1,20	aska	322, 335	0 0 0 0 0 0 0 0 0 0 0 0	322, 335	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	220	220	52, 294	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	52, 294	13, 478			13, 478	388, 327	834	389,
76, 581 4, 485 78, 581 10 5, 202 13, 50 11, 50 60 3, 638 817, 820 3, 638 817, 820 3, 638 817, 820 3, 638 817, 820 3, 638 817, 820 3, 638 817, 820 3, 638 817, 820 3, 638 817, 820 3, 638 817, 820 77, 401 1, 800 1, 800 1, 800 1, 800 1, 800 1, 800 1, 800 1, 800 1, 800 1, 800 1, 800 1, 800 1, 1, 800 1, 1, 800 1, 1, 800 1, 1, 800 1, 1, 800 1, 1, 1, 800 1, 1, 1, 800 1, 1, 1, 800 1, 1, 1, 800 1, 1, 1, 800 1, 1, 1, 800 1, 1, 1, 800 1, 1, 1, 1, 800 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	da	24, 670	65				116	116	6, 231	161	135	6, 527	109	17	a	618	31, 990	880	107
7.15, 441 4, 485 7, 754 1, 100, 100, 186 1, 100, 186	Hampshire	87, 531		87, 531	113		181	300	17, 378			11, 3/5	1, 200			2,000	100, 001	2000	101
1,897, 754 31,863 1,920, 617 4,000, 757<	Jersey	710, 491	4, 485	078,027			0, 202	207 0	17,000		104	15,000	2000		16	9,000	77 401	906	777
1,420, 477 1,524, 584 1,644 1,	Mexico		101	1 000 017			201 0	201 0	212 765		Let	212 788	12 788			12 799	9 963 907	11 503	9 974
123,472 119 123,581 123,581 123,477 133,581 133,581 133,477 133,477 133,477 133,477 133,477 133,477 133,477 133,477 133,477 133,477 133,477 133,477 133,581 133,477	rork	1,897,704	31, 363	1, 929, 617			0, 127	0, 127	47 174	9 907	102	80, 700	7 230	663	404	20, 100	384 501	1 140	385
1, 120, 472 119 1, 420, 470 43, 472 46, 546 48, 546 46, 546 48, 546 46, 546 48, 546 46, 546 47, 740 46, 546 46, 546 46, 546 46, 546 46, 546 46, 546 46, 546 46, 546 46, 546 46, 546 47, 740 46, 546 46, 546 47, 740 46, 546 47, 740 46, 546 47, 740 46, 546 47, 740 46, 546 47, 740 47, 740 47, 740 47, 740 47, 740 47, 740 47, 740 47, 740 47, 740	Caronna	324, 000	6/13	320, 439			070	020	21, 114	2,001	103	99, 800	6,000	38	101	30	152 971	020	153
1,20, 43.0 1,20, 14.2 1,2	Dakota	129, 472	RIT	68		80	1 200	1 240	184 428	8 2 056	100	187 409	48 906	6 309		45 508	1 634 090	5 680	1 640
223, 477 23, 477 1, 105 521, 113 1, 706 260, 468 1, 422 1, 440, 713 223, 585 1, 422 2, 70 28, 28, 28, 28, 28, 28, 28, 28, 28, 28,		1, 420, 4/0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	920		06	1, 900	298	42 030	647	906	44 994	(9)	(8)	()	(8)	415,644	730	416
1,440,072 2,885 1,442,927 2,788 31 3,423 6,157 216,334 7,555 7,555 7,555 1,072,973 9,805 1,144,072 9,805 1,072,973 9,805 1,072,973 9,805 1,170,948 2,180 1,120 1,144,072 7,555 1,072,973 9,805	Ollia	000, 400	CALL	000 500	63	123	100	200	90,901	4 700	406	24 477	1 075	168	110	1 708	960 468	1 499	961
13, 541	Harrist and a second	223, 407	0 000	4000	10000	111	2 400	235.2	018 924	T, 100	200	918 224	7, 55.5	7007	200	7,555	1 679 073	0 805	1 689
156, 516	Nama-	1, 440, 072	2,800	σ,	2, 100	10	0, 140	0, 107	10,001			10,001	0000 17			000 1	122 476	694	124
132,468	e Island	113, 351	9/9	114, 454			900	000	10, 410	000		10, 410	3.4.1	100	06	1 010	170,900	400	170,
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Carolina	136, 515	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	106, 515	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17	100	133	18, 359	007	0000	221,81	1, 710	707	07	1, 310	170,040	000	110
1, 005, 186 1, 250 1, 200, 186 2, 284 1, 280 1, 110	Dakota	142, 468		142, 468	0 0 0 1 0 0 0 0	14	70	90	11,212	717	2,030	18, 042	9,000		0 0 0 0 0	90000	200,000	1 000	2000
1,005,186 1,005,186 <t< td=""><td>38866</td><td>265, 543</td><td>1,250</td><td>266, 793</td><td></td><td>2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>486</td><td>486</td><td>31, 434</td><td></td><td></td><td>31, 434</td><td>3, 294</td><td></td><td></td><td>30, 204</td><td>302,007</td><td>1,00</td><td>9000,</td></t<>	38866	265, 543	1,250	266, 793		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	486	486	31, 434			31, 434	3, 294			30, 204	302,007	1,00	9000,
10,000 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		000000000000000000000000000000000000000			125	723	795	188, 452	1,890	1, 120	191, 462	36, 078	7	18	36,088	1, 253, 041	3, 375	1, 230,
90,013 1, 102 10,00 20 0 2 143 1, 102 10,00 0 0 529 143 1, 102 10,00 0 0 529 143 1, 102 10,00 0 0 529 143 1, 102 10,00 0 0 529 143 1, 102 10,00		80,920	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			22	161	218	15, 758	192	146	16,086	307	I	17	325	97, 559	385	97,
311,578 1,129 312,770 946 29 64,425 1,136 54,425 1,129 2,136 1,136	ont	69, 013	-		60	C4	142	146	8, 283		98	8,300	479			479	17, 954		18,
1840, 070 729 3840, 799 100 040 529 689 63,4584 41,210 80 4,240 849,610 1,776 840,610 1,776 840,610 1,776 840,610 1,776 840,610 1,776 840,610 1,776 840,610 1,876 1,810	Virginia	311, 578	1, 192	312, 770	016	30	438	1, 398	54, 923	7, 129	292	62, 344	1.840	430	120	2, 390	378, 902		380,
190, 813 602 191, 415 116 609 606 28, 602 4, 884 442 108, 916 1, 661 1, 661 228, 718 1, 611 1	ington	380,070	729	380, 799	100	09	526	689	63, 425	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	401	63, 826	4, 210	00000000	98	4, 296	449, 610		451,
587,454 587,454 587,454 587,454 587,454 1,310 188 1,493 607,446 2,204 46,150 6,573 142,193 88 600 607 18,286 7 190 9,879 15 3 18 56,227 116 135,020 6,573 142,193 88 600 607 18,286 546 16,722 689	Virginia	190,813	602		116		000	806	28, 032	6 4, 884	0 - 0 - 0 - 0	32, 916	1,661		0 0 0 0 0 0 0	1,661	226, 798		227.
46.150 6.573 46.150 83 87 180 9.682 7 190 9.879 15 3 18 56.227 116 135.020 6.573 142.193 88 609 607 18,286 7 18,286 546 161,772 689	nsin					a/C	4.67	452	107, 605		442	108,047	1.310		183	1, 493	697, 446		669
135,020 6,573 142,193 88 600 607 18,286 18,286 546 546	ning	46, 150		46, 150	93		87	180	9,682	100	190	9,879	15	8 8 8 8 8 8 8 8 8 8	20	18	56, 227	116	56,
	District of Columbia	135, 620	6, 573	142, 193	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	980	609	269	18, 286			18, 286	546	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	246	161, 722	689	162,
		Name and Publishers	-	-	and owner other passes. Bell	-	-	-	O STATE OF THE PERSON NAMED IN	the particular extension of	erriconstitucione and	-	-	the contractor of the last	the street of the latest street	-		-	

I Publicly owned and tax-exempt vehicles were excluded from this tabulation in all cases where segregation was possible. Nominal payments by such vehicles are included in table 13.

Includes taxicabs and other for-line cars in those States not reporting these vehicles separately, with the exception of California, which included taxicabs with light trucks. Also includes hearses and ambulances in 7 States bublicly owned school busses, tax-exempt or paying only nominal fees, not included.

Includes all busses reported these States which did not separate these vehicles by class of service.

Includes on busses reported in those States which did not separately and the service.

Includes common carriers in those States not reporting such vehicles separately.

Includes common carriers in season and tracks.

Includes the service of the season of the sea

Table 14.—State registration fees 1 imposed on motor vehicles of different types and classes of service in 1932

																		All
State	Private	Taxicabs and other for-hire	All passenger cars	School	Contract, including sight- seeing	Public carrier	All	Privately owned and operated	Contract	Common	All trucks and tractor trucks	Privately owned and operated	Contract	Common	All trail- ers and semi- trailers	All	Motor- cycles	vehicles, including motor- cycles
Alabama	\$2,404,936	\$19,160	\$2, 424, 096	100	100 04	\$22, 749	\$22, 749	\$612, 570		81,940	\$614, 510	\$36,068	6 6 6 8 6 8 8	940	\$36,068	\$3, 097, 423	\$2,068	\$3,099,491
Arkansas	2 000 623	7,947	9 107 533	200	\$3, 921	15, 118	15, 039	533 450	ESS 277	21, 049	508 836	22, 087	618 705	\$2, 238	282	9 771 563	1,082	773
California	249		249	26.884	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 690	27. 574	2, 552, 641	100,000	2 4, 308	2, 556, 949	340,640	200, 100	2 463	103	8, 175, 624	26, 033	8, 201, 657
Colorado	1, 252, 463	1,883	254,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	58, 242	58, 242	342,	7, 145	34, 833	384	5,000	1,400	6, 190	280	1, 710, 112	1,610	711
Connecticut	4, 515, 788	53, 628	4, 569, 416			147, 957	147, 957	1, 484, 631			1, 484, 631	37, 774			\$77	6, 239, 778	8, 538	248
Delaware	622, 079	60 010		6, 328		11, 220	11, 548	222, 950			222, 950	9, 168	0000		168	871, 745	1,085	872,
Georgia	9 005 349	08, 812	2,001,900	004 7	11, 342	103, 220	200,000	700, 500			720, 528	33,717	1,218	0,207	202	9, 320, 324	0,410	332,
daho	1 199 461	9, 510	1 199 461	4. 709	6, 555	24 166	22, 135	207, 300	42 101	18 867	360, 457	10,898	1 496	2, 555	208	1, 500, 000	1,500	601
Ilinois	12, 212, 194		12, 212, 194	198		130, 963	130, 391	3 840 364			3 840 364	116, 496	7, 190	1, 117	961	16, 299, 445	16, 440	16, 315, 885
ndiana	164	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4, 164, 349	-		68, 648	68, 648	1, 455, 292			1, 455, 292	128, 288			88	5, 816, 577	4.640	821.
owa	9, 130, 146	1	9, 130, 146	31, 155		25, 489	56,644	1, 374, 318		37, 265	1, 799, 018	24,642	9,695	950	287	11, 021, 095	5, 710	026
Kansas		2,386	4, 356, 706	×	1,893	4, 502	6, 395	831, 315	105, 201	15, 134	951, 650	10, 294	3, 035	865	181	5, 328, 945	4, 122	333,
Kentucky	2, 953, 843	19, 184	2, 973, 027			52, 508	52, 508	1,005,498		28, 239	1, 149, 960					4, 175, 495	3, 323	178
onisiana	2, 928, 750	29, 939	2, 958, 689			42, 988	42, 988	887, 910		3,648	891, 558	133, 460		3, 538	866	4, 030, 233	4, 111	034,
Maine	1, 686, 694	42, 369	1, 729, 063			10,920	10,920	661, 711			661, 711	9,896		***	968	2, 411, 590	5, 150	416.
Maryland	2, 078, 199	46, 975	2, 125, 174			(3)		391, 351		(3)	391, 351	35, 741		(8)	741	2, 552, 266	7,587	559.
Massachusetts	2, 489, 699		2, 489, 699	1, 285		67,350	89, 386	963, 414	253, 103		216	34, 412	17,084		496	3,847,098	1,974	849.
Michigan	14, 105, 480	212, 873	14, 318, 353		73, 628	65, 659	139, 287	538.	108, 777	70, 378	717	366, 764	52, 851	63, 237	940	18, 652, 657	11,340	663,
Minnesota	7, 922, 212		7, 922, 212			111, 281	111, 281	1, 680, 532	207, 141	43, 027	1, 910, 700	53, 588	6, 553	2,371	-	10, 012, 511	5,844	10, 018, 355
Mississippi	587,		1, 587, 443	20,580	14,831	4, 225	39, 636	442,			442	46, 129			129	2, 115, 313	1, 483	116,
Missouri	8, 036, 791	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8, 036, 791	*********	**********	2, 632	2, 632	1,009,261	1, 130	14, 100	1,024,491	30, 465	529	1,680	674	9, 096, 588	7, 298	103,
Montana	985,					288	798	227, 073	•	2, 596	558, 669	276			972	1, 216, 598		217,
Nepraska	2, 700, 438	404	2, 755, 438			19, 390	19, 390	491, 459		4000	491, 459	12,658			928	3, 279, 945	2, 569	787
Nevada	1 140 000	(8)	607,177	4 600		4, 420	4, 420	87, 318	9, 605	4, 959	97, 922	2,832	180	97.7	258	327, 289		327,
Naw Jareau	7 902 474	71 245	7 974 810	4, 910		000 210	000 610	000			9 975 919	10,405	********		900	500	4,780	1, (21, 50,
Naw Marion	524 422	6 489	540 005			12 500	10 000	0, 540, 212		4 604	0,070,212	118, 200		400	000	11, 500, 788	10,514	110
New York	95 784 935	519 160	96 304 005			308,695	208 691	0 052 974		4, 034	0 052 974	901 113		80%	-	26 767 102	46 702	610
North Carolina	4 838 630	49 931	4 880 861			42,679	42 679	055	151 098	90 466	128	120, 522	40 246	018 10	040	000	400	967
North Dakota	1, 385, 315	1.874	1,387,189		628	2 167	2 795	344 237	41 605	10,660	308	15	400		514	1 787 000	1,498	1 788 498
Ohio.	11, 763, 706		11, 763, 706			288, 435	288, 435	5, 329, 706	275, 960		5, 605, 666	383, 986	32,866		_	074	23, 413	098
Oklahoma	3, 685, 703	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3, 685, 703		605	7,685	8, 290	963	(2)		971.					865	6,015	671.
Oregon	4, 789, 094	4,742	4, 793, 836	3, 582	6,715	59, 145	69, 442	813, 626	234, 875	33, 936	1, 082, 437	13, 353	10,854	7,507	714	977	5,606	983
Pennsylvania	14, 821, 328	72, 482	14, 893, 810	93, 294	4, 299	496, 402	593, 995	7,001,320			001	127, 676		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	816	26, 748	643,
Khode Island	1, 250, 910	29, 101	1, 280, 011			49, 997	49, 997	437, 173			437, 173	1,721			721	768	3, 038	771.
South Carolina	1,810,814	********	1,810,814		919	(3)	919	405, 766	10, 158	(3)	415, 924	41, 288	7,758	(3)	_	2, 276, 400	1,964	278
South Dakota	1, 932, 170	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1, 932, 170		1,007	5, 999	7.006	464, 816	9	(9)	464, 816	13, 415			415	417	742	418
Tennessee	3, 047, 984	20, 511	3, 068, 495			28, 185	28, 185	828, 023			828, 023	47, 730			730	972	4.331	976
exas	8, 488, 045		8, 488, 045		2.944	85,841	88. 785	3 791 451	62 797	40.788	3, 895, 036	313 005	06	454	488	785	14 685	SOO
Jtah	558, 969		558		433	3 280	3,713	192	5 055	7,062	204 620	3 870	25	600	405	771		279
Vermont	1, 480, 761	176	1, 480, 937	144	173	17 283	17, 600	419 758	0,000	1 750	421 506	9 709	(100	DVW.	702	000	3 016	0.00
Virginia	4 830 983	37 025	4 877 188	4 700	000 6	26 000	46,400	280 944	196 000	19 441	1 007 775	15,010	7 000	0 074	475	00.4	2,010	000
Washington	1 115 380	19 994	197	2 763	9 899	27 945	42 830	817 078	240,000	12 625	830 783	47 548	000 1	702	975	O DEE 479	2000	9 060 910
West Virginia	9 739 893	25 981	287	8,600	**	(3)	8 800	KOO 90K	987 049	20, 000	887 147	R 566		0, 100	266	2 640 917		644
Wisonnain	7 208 778	100		- 000 60	1 940	010 001	901 902	170	word ore	04 470	9 900 400	- 000 mm		10 055	040	010		000
Wyoming	478 918	0 1 0 1 0 1 0 1	470	1 800	040 1	0 450	2001, 300	100,020	400	24,470	100 050	100011		12, 300	240	919		830,
District of Columbia	135,650	6,573	142, 223	1, 500	888	2, 452	697	25,000	187	2,393	25,000	546		96	546	168, 466	689	169, 155
										-	-				-	200 1000	-	
1 1 10	Own were	000000		0000		-												

Payments tabulated correspond to numbers of vehicles listed in table 13, except where noted.

Public and the common carriers of property in California were not required to pay registration fees, a receipts tax being imposed in lieu thereof. The figures given are estimated payments by 30 public-carrier busses. 278 common-carrier trailers and semiratines, which were adjudged common or public carriers for a part of their operations.

Public-carrier busses and common carriers of property in these States were not required to pay registration fees, but paid passenger-unite and ton-mile taxes, respectively, in lieu thereof.

Table 15 .- Special State fees and taxes imposed on motor vehicles (chiefly for-hire carriers) in 1932; tabulated for each State by type of vehicle and class of service

					Busses			Contract	carriers of p	property
State	Taxicabs a		Contract, ir sight-se		Pt	ublic-carrier		Trucks	and tractor	trucks
	Receipts taxes	Other special fees ¹	Mileage, ton- mile or pas- senger-mile taxes	Other special fees 1	Mileage, ton- mile or pas- senger-mile taxes	Receipts taxes	Other special fees ¹	Mileage or ton-mile taxes	Receipts taxes	Other special fees ¹
Vlabama					\$20, 620		\$350			
Arizona						\$13, 835	4000			
rkansas										
California									440,000	
Colorado					28, 349			\$16.981		\$25
Connecticut						100 000				
Florida					54, 466	200,001		18, 166		
Jeorgia			40, 100		52, 706		13, 175			2, 38
daho							10, 110			2,00
lowa						4,000				38, 066
Kentucky							2, 690	50, 960		39, 76
							2,000	1		30, 10
Maryland							64, 736			71, 35
Michigan							425		~~~~~~~~	
Minnesota							420			
Mississippi							00 715			
Missouri							36, 715			
Montana							710			2, 97
Nevada					******		17, 910			23, 22
New Jersey							********			
New Mexico							(4)			
North Carolina						30, 658				
North Dakota		815	**********	\$302			652			
Ohio							92,019			3 171, 84
Oklahoma			. 337	38	66, 661		500	67, 330		5, 58
Oregon				4, 324	86, 453					180, 88
South Carolina					. 28, 896					
South Dakota						4, 200	500			4, 82
Tennessee 6		12,063			72, 288		18, 773			
Texas							21, 271			4 14, 97
Utah					47, 968		,			
Virginia								9,010		
Washington										
West Virginia										
Wisconsin							22, 265			(7)
Wyoming										15
District of Columbia										4.
District of Commons.		00,011		3,000	41, 120					*********
Total	2, 791	115, 206	9,058	8, 314	1, 253, 731	738, 889	294, 596	163, 413	26, 669	556, 26

Includes franchise or special license fees, privilege taxes, permit fees, fees for certificates of convenience and necessity, etc.
Occupation tax paid by "U-Drive-It" car companies.
Mileage tax on interstate busses only.
Payments of certificate fees included with undistributed fees.
See column headed "Undistributed fees, etc." for payments by out-of-State property carriers.
Payments of mileage tax, privilege tax, and inspection fees by property carriers given in column headed "Undistributed fees, etc."
See column headed "Undistributed fees, etc."

States-Florida, Georgia, Louisiana, and Texas-allotted motor-vehicle or gasoline-tax funds to the support of schools, the total amount being \$14,522,113. New Jersey and New York devoted funds aggregating \$19,546,456 to unemployment relief. A total of \$39,652,339 in 11 States was paid into general funds, chiefly those of the States. In Louisiana \$830,072 was allocated to the boards of commissioners of the ports of New Orleans and Lake Charles Harbor, for use in payment of principal and interest on bonds and other payments in connection with the establishment of port facilities. The remaining items were small in amount, and were either of an administrative character or were offsets against the taxation of gasoline used for other than motor-vehicle purposes.

DIVERSION OF FUNDS GREATER IN 1933

The tendency toward the use of motor-vehicle and gasoline-tax receipts for purposes not related to highways was more strongly in evidence in 1933 than in 1932. A total of \$17,568,505 was allocated to the support of schools; \$29,997,563 was devoted to the relief of unemployment or other emergency relief; and \$32,971,664 was paid into State, county, and municipal general funds. general funds. Nearly \$10,000,000 was expended in the financing of debt obligations not related to highways, including \$1,100,000 transferred to the real estate

bond payment fund in North Dakota, \$2,262,625 devoted to retirement of State warrants in Oklahoma, \$4,042,235 paid on State debt obligations in Pennsylania, \$1,404,569 in payments on rural credit bonds in South Dakota, and \$869,057 in payments on State emergency relief bonds in Washington. The sum of \$950,695 was devoted to harbor improvements and other purposes related to navigation.

The total of the items listed above is \$91,166,913, which is 11.1 percent of the total receipts in 1933 from State motor-vehicle fees and gasoline taxes, \$822,097,-In addition to these specific diversions there were miscellaneous items aggregating \$3,065,002, a number of which were largely administrative in character. If these are added the total funds devoted to purposes not related to roads and streets in 1933 are found to have been \$94,231,915.

REGISTRATIONS AND RECEIPTS BY STATES TABULATED

The greater part of the foregoing discussion of State taxation of motor vehicles in 1932 was based on figures for the country as a whole, as it was impossible in the space available to give complete figures for individual States. In tables 13, 14, 15, and 16 registrations and payments of fees are given for each State. Table 13 lists all vehicles registered and tax-paid, by type of

Table 15.—Special State fees and taxes imposed on motor uehicles (chiefly for-hire carriers) in 1932; tabulated for each State by type of vehicle and class of service-Continued

	Contract e	arriers of p Continued.	property-		Cor	nmon carrie	ers of propert	У			
State	Trailers	and semiti	railers	Trucks	and tractor	rtrucks	Trailer	s and semit	railers	Undistrib- uted fees, etc.	All special fees and taxes
	Mileage or ton-mile taxes	Receipts taxes	Other special fees ¹	Mileage or ton-mile taxes	Receipts taxes	Other special fees ¹	Mileage or ton-mile taxes	Receipts taxes	Other special fees ¹	ciu.	busco
labama				\$3, 109		\$706					\$24, 78
rizona.				фа, 103	\$13, 340	\$100		\$2,544			32, 51
rkansas											56, 20
alifornia		420, 113						164, 664			740, 96
olorado			\$36	94 691	165, 229	2, 168	AW MOST		2047		92, 98
onnecticut	Q2, OII		\$30	34, 931			\$7,708		\$247		
lorida				44, 932			G 400				180, 86 130, 13
eorgia			360	52, 744		07 200	8, 480 16, 557		7 144	8 0H FOR	189, 03
iaho	400		300			27,329		040	7, 144	87, 527	9, 4
)wa				01 005	4, 179			840		0.00	
			1, 585	91, 265				*******		9 20	319, 8
ansas										10 186, 153	186, 13
entucky						5, 150					180, 20
laryland					********						243, 4
lichigan						57, 934			51, 797		282, 5
linnesota						661			214		1, 30
lississippi										11 1,886	4, 7
lissouri				**********		50, 321			11,052		98,0
Iontana	******					800					4, 4
evada			3, 155			13, 545			860		60, 8
lew Jersey											79, 8
lew Mexico				10, 130		(13)	145		(12)	18 2, 927	45, 5
North Carolina					30, 083			22, 329			83, 0
North Dakota						. 4, 135					5, 9
hio			7,950							13 28, 316	300, 1
klahoma				32, 825		16, 405					189, 6
regon				99, 785			15, 416				394, 4
ennsylvania										14 33, 946	33, 9
outh Carolina				6, 283			2, 863				38,0
outh Dakota					23, 471	13, 500					46, 4
ennessee						201 000				15 31, 951	135, 0
Texas			16 11			16 11, 234			16 209	16 22, 898	70, 5
Ttah											64, 4
Virginia					4, 692		010	5, 333			60, 9
Washington					46, 364						97.8
West Virginia					201 001						149, 6
Wisconsin				33, 774					2.044	17 248, 588	423, 6
Wyoming				9, 296		4, 161				210,000	26,
District of Columbia				0, 200		4, 101	1		00		146,
											1109
Total	4, 418	20, 743	57, 284	518, 003	287, 358	237, 275	85, 919	213, 017	73, 633	564, 212	5, 230, 7

Includes franchise or special license fees, privilege taxes, permit fees, fees for certificates of convenience and necessity, etc.

Occupation tax on trucks operated by gas and oil companies.

Franchise fees imposed on 4 motorcycles operating as contract carriers.

Total payments of ton-mile tax by carriers of persons and property; not allocated by class of service.

Payments of mileage taxes by trucks not classified by class of service.

Payments of retrificate fees not broken down as between passenger and property carriers: Contract carriers, \$1,756, common carriers, \$1,171.

Payments of franchise fees and corporation taxes by out-of-State carriers of property.

Payments of receipts taxes by for-hire carriers of persons and property; not allocated by class of service.

Includes payments by property carriers, mileage tax, \$23,669, privilege tax, \$6,887, inspection fees, \$1,695.

Payments of certificate fees by property carriers not allocated by type of vehicle; contract carriers, \$1,720, common carriers, \$5,628.

Includes \$213,533 in ton-mile taxes and \$33,355 in permit fees paid by contract and other commercial property carriers which were not segregated from private carriers; also \$1,700 in certificate fees paid by common carriers of property.

special fees paid by commercial carriers. In table 16 and miscellaneous small items.

vehicle and class of service. The break-down by rated | are given the miscellaneous fees paid by motor-vehicle capacity is not given. Table 14 gives the correspond- owners, including operators' and chauffeurs' license fees, ing payments of registration fees and table 15 the fees for certificates of title, transfer of registration fees,

OTHER TAXATION IMPOSED ON MOTOR VEHICLES IN 1932

COUNTY TAXES FOUND IN ONLY FIVE STATES

Aside from the levying of personal property taxes, the county unit of government has entered the field of motor-vehicle taxation to but a very limited extent. Special county fees and taxes were found to exist in only five States in 1932, and the collections reported were only \$1,703,455. The actual total collected by counties may have been somewhat greater, since replies were not received from all the counties to which questionnaires were sent; but it is believed that such charges exist only in the five States named. The data on county fees and taxes are given in table 17.

The most significant fact revealed by this table is that four of the States in which counties levy special taxes on motor vehicles—Alabama, Louisiana, Mississippi, and Tennessee—are in the South and are contigu- were \$14,157,822.

ous. The remaining State, Nevada, yielded only \$3,781

in county motor-vehicle fees. By far the largest single item was reported in Louisiana, where the parishes collected more than \$1,000,000 in gasoline taxes. Counties in Alabama and Mississippi also levied gasoline taxes, those in the latter State being used in financing the construction of sea walls. Registration fees or wheel taxes in two Tennessee counties yielded \$133,644. The remaining items, in Louisiana, Mississippi, and Nevada, were small.

MUNICIPAL TAXES MORE FREQUENTLY IMPOSED

Municipal fees and taxes (other than personalproperty taxes) imposed on motor vehicles were found in 39 States in 1932. The total collections reported

Table 16 .- Miscellaneous State fees imposed on motor-vehicle owners in 1932

		Operators'	licenses		Certif	icates of t	itle			Miscellane	ous fees			
State	Private	Chauffeur	Dupli- cates	Total	Issues and transfers	Dupli- cates	Total	Transfers or reregis- trations	Duplicate registra- tions	Duplicate car plates	Temporary entry per- mits	Fees for official cars	Other fees	Grand total
abama		\$12,790		\$12,790										\$12,7
rizona	\$4, 158	9, 356		13, 514	\$43, 278	\$1, 215	\$44, 493	\$13, 464		\$581			\$6,004	78, 0
	\$1, 100	17, 376		17, 376	010, 210	\$1,210	\$11, 100	2, 239		9001			40,001	19, 6
difornia		131, 860	\$32, 881	164, 741				801, 823	\$49, 512	13, 541	\$4, 930		110, 183	1, 144,
olorado	168, 859	15, 188	902,001	184, 047	94, 611		94, 611	20, 642	410,012	1,768	7, 408		1, 338	309,
onnecticut	1, 221, 678	18, 725	6, 931	1, 247, 334	04, 044		04,011	61, 042	2, 384	2,700	35, 738		64, 844	1, 411,
elaware		10, 140	0, 001	103, 509	19, 606		19, 606	04, 046	2,001		50, 100		04,044	123,
	100, 009	2, 921		2, 921	99, 907	4, 870	104, 777	8, 816	52	3, 482		\$41,008		161.
eorgia		7, 544		7, 544	00,001	1,010	104,111	4, 901	366	0, 102		411,000	1, 555	14.
aho		754		754		2.663	2,663	2,001		316	7, 091		-,	10,
linois		230, 073		230, 073			-,	181, 339		60, 808	.,	13, 764	72, 987	558,
diana		12, 988		29, 741	132, 244		132, 244	150, 962		28, 705				341,
wa		45, 054	3, 700	161, 104	111, 580		111, 580	38, 521	4, 023	1, 623				316,
ansas		11, 642	1, 250	22, 982	111,000			50, 402	9, 204	1, 644			220	84,
entucky		26, 905		26, 905				69, 662			241		1.614	98,
ouisiana		59, 250	146	59, 396							409			59,
laine	380, 996	84, 687	1,008	466, 691						462	120			467.
laryland	97, 634	141, 267	.,	238, 901	117, 869		117, 869	64, 167	8, 013					428,
lassachusetts	2, 174, 712			2, 174, 712			,		37, 004	7, 146			5, 527	2, 224,
lichigan	394, 716	116, 894	7, 373	518, 983	379, 014	14, 926	393, 940	168, 486		30, 680	1,030			1, 113,
linnesota		49, 383	262	49, 645					445	5, 218	981	1,729		58,
lississippi										5, 908	8,669	2,078		16,
Iissouri	19, 191	107, 178		126, 369	267, 029		267, 029							393,
Iontana		670		670	24, 996	357	25, 353		1, 551	46	416		13, 773	41,
ebraska				4,967				28, 152	10,898	1,667				45,
levada					2,669	103	2,772		49			277		3,
lew Hampshire	180, 283	102, 463		282, 746						13, 399	604		2, 263	299,
lew Jersey				3, 251, 282				298, 436	20, 525	6,878			35, 840	3, 612,
New Mexico														
New York				2, 968, 398			******	816, 671			143, 971		293, 093	4, 222,
North Carolina					69, 487		69, 487							78,
orth Dakota					27, 704	1, 134	28, 838							29,
hio		_ 66, 375		66, 375				125, 795	4, 106	9, 849				206,
klahoma					148, 274	4,974	153, 248							155,
)regon				32, 484			99, 431		780	1, 614	304		112	134,
Pennsylvania			12,648	4, 412, 856		8, 901	1, 544, 759	176, 718	11,691				4, 325	6, 162,
Rhode Island	341, 417	1,512		345, 639									1, 245	396,
outh Carolina	103, 477			104, 497			8, 832							114
outh Dakota					16,004		18, 538					242		18,
Cennessee					- 586, 851		586, 851	35, 028						623
exas		230, 352		232, 747				106, 440	1,033	17, 918	400		24, 950	383
Jtah				4, 081			16, 044							20
Vermont				233, 959		10.000		26, 596						264
Virginia	61 74			57, 953		16, 207	177, 258				- 13			298
Washington	61, 74		800	62, 544			00 17	960				- 6, 192		69
West Virginia				103, 345					1, 233	6, 951			900	226
Wisconsin	8, 52	3	6,442	14, 965			128, 323					6, 132		149
Wyoming	991 10	10.00	9 155	041 000	12, 829		12, 829							12
Dist. of Columbia	221, 13	3 16, 974	3, 155	241, 262	87, 227	2, 163	89, 390	12, 994	1, 175	5 573			*******	345
	. 14, 885, 25	3 3, 310, 898		18, 280, 802	4, 278, 282		4, 340, 239	3, 392, 888	171, 22	233, 47	212, 585	91, 784	640, 773	27, 363

Table 17.—County fees and taxes on motor vehicles in 1932, other than personal property taxes

	İ	Regis or whe	tration el taxes	Gasol	ine taxes		chise es		er fees taxes
State	Total fees and taxes	Number re- porting	Amount	Number re- porting	Amount	Number re- porting	Amount	Number re- porting	Amount
Alabama Louisiana Mississippi Nevada Tennessee	\$273, 255 1, 141, 035 151, 740 3, 781 133, 644		\$133, 644	6 45 3	\$273, 255 1, 138, 729 2 117, 817		1 \$2, 306 4 3, 781	2	\$33,92
Total	1, 703, 455	2	133, 644	54	1, 529, 801	29	6, 087	2	33, 92

Occupational license fees on taxicabs, jitneys, busses, drays, transfers, etc.
 Special gasoline tax for road-protecting sea walls.
 Road and bridge privilege tax.
 On interstate bus and truck operations.

While the total sum reported can hardly include every dollar actually collected from motor-vehicle owners by municipalities, it is believed to be a fairly close approximation of the truth. Questionnaires were mailed to 9,128 municipalities, and follow-up queries were sent to those which failed to answer the first communication. The total number of municipalities submitting replies was 6,598, or 72 percent. Only 1,537, however, reported collections, the remainder, or 5,061, definitely stating

that they collected no special fees or taxes from motorvehicle owners. The assumption might be made that the great majority of the municipalities not answering the questionnaire also had no fees of this character.

In table 18 there is given a detailed analysis of the questionnaire survey, showing for each State the number of municipalities queried, the number replying and the amounts of the fees reported.

The most prevalent type of fee, although not the most productive, was that of franchise taxes, frequently levied on taxicabs, busses, and for-hire trucks, and sometimes upon occupations in which motor vehicles are used, such as drayage and the like. Fees of this nature were reported in 34 States, and the total collected was \$2,053,086.

Municipal gasoline taxes were found in only six States, in widely separated regions of the South and West, but the total collected was \$2,602,083, of which Missouri alone accounted for 67 percent.

Registration fees imposed by municipalities amounted to \$9,100,795. Of this total the State of Illinois alone accounted for 68 percent. Other fees included such items as operators' and chauffeurs' licenses.

Among the 39 States in the table of municipal fees, the States of Illinois and Missouri far exceeded any others, and together represented about 65 percent of the national total.

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Table 18 .- Municipal fees and taxes on motor vehicles in 1932 other than personal property taxes

	Total number		Number of munic-	Number of munic-	Total fees	Registra	tion fees	Gasolin	e taxes	Franch	ise fees	Other	r fees
State	of munic- ipalities queried	of munic- ipalities replying	ipalities reporting fees	reporting no fees	reported	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount
Alabama		207	115	92	\$830, 341 180	41	\$82, 632	88	\$735, 575	15	\$8,779 180	6	\$3, 355
Arkansas		205	61	144	212, 484	56	205, 908			8	5, 022	4	1, 554
California		167	58	109	212, 365						2:0, 411	1	1, 954
Colorado	246	232	28	204	28, 821					26	28, 061	4	760
Connecticut					-0,0-1					20	20,001		100
Delaware			********									********	
Florida		13	12	1	85, 427			12	85, 427				
Georgia	577	235	15	220	18, 484	7	7, 264			9	10, 482	3	738
Idaho	1 None										20, 200		100
Illinois		372	205	167	6, 263, 956	191	6, 207, 095				37, 538	18	19, 323
Indiana		263	36	227	105, 382					36	105, 382		
lowa	186	160	28	132	7, 239					28	6, 508	5	731
Kansas	. None												
Kentucky	261	214	107	107	305, 836	79	298, 681			61	7, 155		
Louisiana		1	1		234, 000							1	234, 000
Maine			*******		***********								
Maryland													********
Massachusetts													
Michigan		420	46	374	159, 516						152, 710	22	6, 806
Minnesota		98	18	80	18, 958						18, 958		
Mississippi		126	15	111	446					15	446		
Missouri		359	148	211	2, 971, 873	126	1, 150, 280	36	1, 743, 644		77, 949		
Montana		92	18	74	10, 023						1,776	10	8, 247
Nebraska		17	10	7	103, 131		102, 058			. 9	1,073		
Nevada		1	1		2, 166			1					
New Hampshire		84	1 8	76	1,095						1, 095		
New Jersey		566	115	451	883, 185						882, 188	6	991
New Mexico		49	10	39	37,082					5	1,065	5	6, 619
New York.		128	72	56	235, 262						234, 428	1	83
North Carolina North Dakota		315	93	222	155, 122		81,869					. 24	73, 25
		42	7 34	8	2, 405						1, 580	6	82
OhioOklahoma		9.0	24	9	62, 337						44, 591	7	17, 74
Oregon		160	29	131	20, 804						20, 804		
Pennsylvania		685	9	676	70, 111						68, 405		1 70
Rhode Island		1	1	010	4, 905						4, 380	2	1, 70
South Carolina			6	30	20, 034						4, 300	1 1	12, 49
South Dakota			11		1, 303		1,012				1, 303	-	12, 49
Tennessee			23		307, 028						43, 262	2	8,00
Texas				314	21, 533						21, 533		0,00
Utah			2	0.1	15, 153						13, 761	2	1, 39
Vermont					768						768		-,
Virginia					714, 262						12, 561		
Washington					16, 682						16, 682		
West Virginia	1 None			-							20, 302		
Wisconsin	502		34	365	11, 518					. 34	11, 518	1	
Wyoming		76	5	71	6, 603								
Total	9, 128	6, 598	1, 537	5, 061	14, 157, 822	712	9, 100, 795	143	2, 602, 083	828	2, 053, 086	131	401, 85

Official statement from State sources indicated that no municipal fees or taxes were levied in 1932.

PERSONAL-PROPERTY TAXES CHARGED AGAINST MOTOR VEHICLES

Since personal property taxes upon motor vehicles are entirely distinct from the other types of fees and taxes paid by motor-vehicle owners, a special inquiry on this subject was undertaken in the several States simultaneously with the general statistical investigation. The statisticians in each State and field representatives of the Bureau cooperated in examining official reports, interviewing officials, and collecting basic information by means of questionnaires to local governmental authorities. In general, the response given to these questionnaires was excellent. With the resulting mass of information, extended by approximations based on the fact that taxes tend to be much the same in communities of the same type in the same general location, it was possible in practically all States to estimate with fair accuracy not only the total personal property taxes chargeable against motor vehicles, but also the division of the imposts among the governmental units levying them.

The information it was desired to obtain was the total personal-property tax levied by all governmental units in the year 1932. The data assembled did not all refer to that specific year. Because of a difference in the fiscal years of governmental units, and also because the

assessment, levy, and collection of a tax involve a considerable length of time, it is impossible to get uniform information. The assessed value may be fixed in 1 year and the tax collected in another. The same may be, and often is, true of the levy and collection of the tax. Even after the payment is due, another considerable period elapses before the tax becomes delinquent. Thus, it was only natural that, when information was collected from thousands of governmental subdivisions, there should be some confusion as to the item to be reported as the motor-vehicle property tax for 1932.

Comprehensive and adequate data were obtained from all States. While in most cases the complete figures could not be obtained, sufficient facts were supplied to make possible accurate estimates. For a number of States the figures are known to be entirely correct, as they were based on complete records.

The essential results of the research and analysis are set forth in tables 19, 20, and 21. The first of these tables is a summary of the principal facts brought out by the analysis. Table 20 gives a comparison among the various States of the personal property taxes levied and collected in 1932. Table 21 gives a break-down of the taxes collected, according to the tax-levying jurisdictions.

Table 19.—Summary of personal-property taxes levied and collected against motor vehicles in 1932

	N*	Number of	Person	al-property	taxes
Method of taxation	Number of States	vehicles licensed (1931)	Levied	Per vehicle	Collected
ExemptSpecial lawsGeneral laws		11, 854, 346 1, 700, 930 12, 258, 827	None \$9, 921, 000 34, 160, 000	None \$5. 83 2. 79	None \$9, 921, 000 25, 959, 000
Total	49	25, 814, 103	44, 081, 000	3. 16	35, 880, 000

Table 20.—Personal-property taxes levied and collected against motor vehicles in 1932; totals and percentages tabulated by States

State	Taxes levied	Taxes col- lected	Percentage of total collected
labama	\$818,000	\$670,000	81.9
rizona	797, 000	730, 000	91. 5
rkansas	259,000	192,000	74. 2
California	8, 534, 000	5, 285, 000	61. 9
Colorado	1, 143, 000	853, 000	74. 6
Connecticut	2, 039, 000	1, 790, 000	87.8
Delaware	None	None	None
District of Columbia	475, 000	475, 000	100.0
lorida	None	None	None
Jeorgia	694, 000	542,000	78. 1
daho	None	None	None
llinois	2, 190, 000 2, 256, 000	1, 855, 000	84. 7 89. 4
ndianaowa.	None	2, 017, 000 None	None
Kansas	1, 032, 000	908,000	88. (
Kentucky	999,000	850,000	85.
Louisiana	1, 077, 000	785, 000	72.8
Maine	1, 034, 000	1, 034, 000	100.0
Maryland	1, 487, 000	1, 487, 000	100.
Massachusetts	6, 184, 000	6, 184, 000	100.
Michigan	None	None	Non
Minnesota	None	None	None
Mississippi	559,000	447,000	80.
Missouri	1, 991, 000	1, 593, 000	81.
Montana	323,000	283,000	87.
Nebraska	932, 000	689,000	73.
Nevada	135, 000	133, 000	98,
New Hampshire	513, 000	513, 000	100.
New Jersey	None	None	Non
New Mexico	None	None	Non
New York	None 840, 000	None	Non 76.
North Carolina North Dakota	None	639, 000 None	Non
Ohio	None	None	Non
Oklahome	None	None	Non
Oregon	None	None	Non
Pennsylvania	None	None	Non
Rhode Island	977,000	853, 000	87.
South Carolina	449,000	362,000	80.
South Dakota	None	None	Non
Tennessee	133, 000	133, 000	
Texas	2, 486, 000	1, 715, 000	69.
Utah	357,000	268, 000	75.
Vermont	None	None	
Virginia	699,000	516, 000	
Washington	1, 897, 000	1, 393, 000	
West Virginia	544, 000	458, 000	
Wisconsin	None	None	
Wyoming	228,000	228,000	100
Total	44, 081, 000	35, 880, 000	81

ESSENTIAL FACTS ON PERSONAL-PROPERTY TAXATION OF MOTOR VEHICLES SUMMARIZED

Outstanding results of this phase of the survey may be summarized as follows:

1. In 1932 there were levied against motor vehicles in the United States personal-property taxes in the estimated amount of approximately \$44,081,000.

2. Of the motor vehicles subject to taxation, only about 60 percentare listed on the tax rolls.

3. The percentage of motor vehicles placed upon the rolls apparently runs from less than 35 percent in the State of Illinois to over 90 percent in Arizona, Connecti-

Table 21.—Personal-property taxes collected on motor vehicles in 1932, grouped according to tax-levying jurisdictions

Alabama. \$163,000 \$379,000 \$128,000 Arizona. 208,000 385,000 137,000 Arkansas. 44,000 38,000 110,000 California. None 3,873,000 1,412,000 Colorado. 94,000 154,000 605,000 Connecticut. 43,000 23,000 1,724,000 Delaware. None None None One None One One One One One One One One One O	Total
Arizona 208,000 385,000 137,000 Arizona 208,000 385,000 110,000 385,000 110,000 387,	A484 000
Arizona 208,000 385,000 137,000 Arkansas 44,000 38,000 110,000 California None 3,873,000 1,412,000 Colorado 94,000 154,000 605,000 Connecticut 43,000 23,000 1,724,000 Delaware None None None District of Columbia I None None None Florida None None None Georgia 91,000 252,000 199,000 Idabo None None None Illinois 185,000 198,000 1,472,000 Indiana 205,000 340,000 1,472,000 Indwa None None None Kentucky 149,000 199,000 631,000 Kentucky 149,000 233,000 404,000 Maryland I 145,000 481,000 1,434,000	\$670,000
Arkansas 44,000 38,000 110,000 California None 3,873,000 1,412,000 Colorado 94,000 154,000 605,000 Connecticut 43,000 23,000 1,724,000 Delaware None None None Florida None None None Florida None None None Illimois 185,000 198,000 1,472,000 Indiana 205,000 340,000 1,472,000 Iowa None None None Kansas 78,000 199,000 631,000 Kentucky 149,000 199,000 630,000 Louisiana 148,000 233,000 404,000 Maryland 1 145,000 400,000 1,034,000	730, 000
California None 3,873,000 1,412,000 Colorado 94,000 151,000 605,000 Connecticut 43,000 23,000 1,724,000 Delaware None None None District of Columbia None None 475,000 Florida None None None Georgia 91,000 252,000 199,000 Idaho None None None Illinois 185,000 198,000 1,472,000 Indiana 205,000 340,000 1,472,000 Iowa None None None Kantucky 149,000 199,000 631,000 Kentucky 149,000 199,000 502,000 Louisiana 148,000 233,000 404,000 Maryland 145,000 449,000 830,000	192,000
Colorado 94,000 154,000 605,000 Connecticut 43,000 23,000 1,724,000 Delaware None None None Florida None None None Florida None None None Florida 91,000 252,000 199,000 Idaho None None None Illinois 185,000 198,000 1,472,000 Indiana 205,000 340,000 1,472,000 Iowa None None None Kentucky 149,000 199,000 631,000 Kentucky 148,000 233,000 404,000 Maine I None None None Maryland I 145,000 449,000 1,034,000	5, 285, 000
Connecticut 43,000 23,000 1,724,000 Delaware None None None Porida None None None Florida None None None Georgia 91,000 252,000 199,000 Idaho None None None Illinois 185,000 198,000 1,472,000 Indiana 205,000 340,000 1,472,000 Iowa None None None Kansas 78,000 199,000 631,000 Kentucky 149,000 199,000 502,000 Louisiana 148,000 233,000 404,000 Maryland 1 145,000 409,000 1,034,006 Maryland 1 145,000 409,000 838,000	853, 000
District of Columbia None None 475,000	1, 790, 000
District of Columbia None None 475,000	None
Florida	475,000
Georgia 91,000 252,000 199,000 Idaho None None None None Illinois 185,000 198,000 1,472,000 Indiana 205,000 340,000 1,472,000 Iowa None None None Kansas 78,000 199,000 631,000 Kentucky 149,000 199,000 502,000 Louisiana 148,000 233,000 404,000 Maryland 1 None None 1,034,000 Maryland 2 449,000 489,000 883,000	None
Idaho	542,000
Illinois 185,000 198,000 1,472,000 Indiana 205,000 340,000 1,472,000 Indiana None None None Kansas 78,000 199,000 631,000 631,000 640,000 199,000 502,000 Louisiana 148,000 233,000 404,000 Maine None None 1,034,000 Maryland 145,000 449,000 833,000	None
Indiana 205, 000 340, 000 1, 472, 000 Iowa None None None Kansas 78, 000 199, 000 631, 000 Kentucky 149, 000 199, 000 502, 000 Louisiana 148, 000 293, 000 404, 000 Maryland 1 None None 1, 034, 000 Maryland 2 145, 000 490, 000 883, 000	1, 855, 000
Iowa None None None Kansas 78,000 199,000 631,000 Kentucky 149,000 199,000 502,000 Louisiana 148,000 233,000 404,000 Maine 1 None None 1,034,000 Maryland 1 145,000 449,000 883,000	2, 017, 000
Kansas 78,000 199,000 631,000 Kentucky 149,000 199,000 502,000 Louisiana 148,000 233,000 404,000 Maine 1 None None 1,034,000 Maryland 2 145,000 449,000 883,000	None
Kentucky 149,000 199,000 502,000 Louisiana 148,000 233,000 404,000 Maine 1 None None None 1,334,000 Maryland 1 145,000 449,000 893,000	908,000
Louisiana 148,000 233,000 404,000 Maine 1 None None 1,034,000 Maryland 1 145,000 449,000 883,000	850,000
Maine 1. None None 1, 034, 000 Maryland 1. 145, 000 449, 000 893, 000	785, 000
Maryland 1	1,034,000
	1, 487, 000
Massachusetts 1 None None 6, 184, 000	6, 184, 000
Michigan None None None	None
Minnesota None None None	None
Mississippi	447,000
Missouri 103, 000 642, 000 848, 000	1, 593, 000
Montana	283, 000
Nebraska	689,000
Nevada 28,000 80,000 25,000	133, 000
New Hampshire 1 None None 513,000	513,000
New Jersey None None None	None
New Mexico None None None	None
New York	None
North Carolina	639, 000
North Dakota None None None	None
Ohio None None None	None
Oklahoma	None
Oregon	None
Pennsylvania None None None	None
Rhode Island 36,000 None 817,000	853, 000
South Carolina 64,000 174,000 124,000	362,000
South Dakota None None None	None
Tennessee	133,000
Texas	1, 715, 000
Utah	268,000
Vermont None None None	None
Virginia	516,000
Washington	1, 393, 000
West Virginia	458, 000
Wisconsin None None None	
Wyoming 1	None
Total	228, 000

1 States having permit fee equivalent to personal-property tax.

cut, and Montana, and 100 percent in Maine, Maryland, Massachusetts, New Hampshire, Wyoming, and the District of Columbia.

There is a wide variation in the standard of assessment of motor vehicles in the various States.

5. Of the total tax levied, it is estimated that collections could not have exceeded \$35,880,000 and they may have been considerably below this figure.

6. Because of difficulties in assessment and collection, the personal-property tax as ordinarily administered is not effectively applied to motor vehicles.

7. Seventeen States, in which there were, in 1931, 11,834,346, or 45.9 percent of the total motor vehicles, exempt motor vehicles entirely from taxation as personal property.

8. There are 31 States and the District of Columbia

8. There are 31 States and the District of Columbia in which motor vehicles are subject to some form of taxation as personal property. In these States there were 13,959,757 motor vehicles registered, or 54.1 percent of all vehicles licensed.

9. The mean average tax levied against these vehicles was \$3.16 and the median \$3.04.

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10. Of the States imposing personal-property taxes against motor vehicles, five States and the District of Columbia make their levies under special laws which insure that all motor vehicles operating are charged with and pay the personal-property tax. The total so levied in 1932 was \$9,921,000. Located in these areas in 1931 were 1,700,930 motor vehicles or 6.6 percent of all the motor vehicles in the United States. This

was an average of \$5.83 per vehicle.

11. In the remaining 26 States, containing 12,258,827, or 47.5 percent of all motor vehicles in 1931, an ineffective attempt is made to tax motor vehicles under general property tax laws, the tax so levied in 1932 being \$34,160,000, or \$2.79 per vehicle.

FEDERAL MANUFACTURERS' EXCISE TAXES RELATING TO MOTOR VEHICLES

The first Federal manufacturers' excise taxes which were paid by motorists were imposed under the United States Internal Revenue Act of 1918, effective October 4, 1917. These taxes lasted until repealed on May 29, 1928. During the period of 10 years and 8 months in which the taxes were in force, they accumulated to a total of \$1,119,931,631, or an average of about \$105,000,000 a year. There were three groups of such taxes, as follows: (1) Automobile trucks and wagons, 3 percent on sales; (2) other automobiles and motorcycles, 5 percent on sales; and (3) automobile parts and accessories, 5 percent on sales.

For an interval of 4 years the motor-vehicle owner was free from Federal excise taxes. The Revenue Act of 1932 (approved June 6 and effective June 7, 1932) imposed certain manufacturers' excise taxes affecting the purchases of owners of motor vehicles. The new law, however, imposed six groups of taxes, as follows: (1) A gasoline tax of 1 cent per gallon; (2) a tax on lubricating oils of 4 cents per gallon; (3) on tires and inner tubes, taxes of 2¼ and 4 cents per pound, respectively; (4) on automobiles and motorcycles, 3 percent on sales; (5) on automobile trucks, 2 percent on sales; and (6) on automobile parts and accessories, 2 percent on sales. The tax on gasoline was increased to 1½ cents per gallon on June 17, 1933, and reverted to 1 cent on January 1, 1934.

These six taxes are paid, either directly or indirectly, by owners of motor vehicles, except for the fact that part of the excise taxes on gasoline and lubricating oils are paid by purchasers of these commodities for purposes other than for motor vehicles.

It will be observed that these taxes did not go into effect until June 7, 1932, with the result that the collections of 1932 represent but slightly more than a half-

Table 22 gives a summary of the Federal excise-tax collections in 1932 and 1933, as reported and as adjusted to give as close approximations as possible to the The amounts paid by the motorist in those years. United States Bureau of Internal Revenue issues monthly reports showing the collections of the preceding month, which cover taxes assessed on the sales of the month preceding the month of collection. There is, in other words, a lag of a month between the collec-The tions as reported and the tax assessed on sales. first column of figures in table 22 gives the collections of the calendar years 1932 and 1933. The second column gives the figures after adjustment by allowing for the lag of one month, as it was desired to show, as

Table 22.—Summary of Federal excise taxes relating to motor vehicles in 1932 and 1933

CALENDAR YEAR 1932

Federal excise tax on—	Collections	Assessments 1	Assessments adjusted ²
Gasoline Lubricating oil. Tires and inner tubes Automobiles and motorcycles Trucks. Parts and accessories	\$62, 839, 827 7, 067, 419 7, 545, 071 4, 221, 263 720, 155 1, 900, 111	\$74, 181, 720 8, 388, 330 8, 112, 487 4, 996, 000 833, 907 2, 188, 404	\$68, 247, 200 8, 000, 000 8, 112, 487 4, 996, 000 833, 907 2, 188, 404
Total	84, 293, 846	98, 700, 848	92, 377, 998

CALENDAR YEAR 1933

Gasoline Lubricating oil. Tires and inner tubes Automobiles and motorcycles Trucks. Parts and accessories.	22, 475, 888 3, 046, 827	\$187, 461, 926 22, 638, 019 24, 947, 117 22, 412, 568 3, 123, 958 4, 544, 666	\$171, 152, 700 18, 643, 800 24, 947, 117 22, 412, 568 3, 123, 958 4, 544, 666
Total	257, 217, 517	265, 128, 254	244, 824, 809

¹ Collections as reported advanced 1 month to allow for lag.
² Figures for gasoline- and oil-tax assessments adjusted to allow for non-motor-

closely as practicable, the taxes as of the time when paid by the motorists. Thus the figures for the year 1932 include the collections of January 1933, and those for 1933 include the collections of January 1934.

The last column of table 22 gives the figures after adjustment for non-motor-vehicle use of gasoline and oil. In the case of gasoline the following method of approximation was used. From the data on gasoline taxes reported to the Bureau by the States it was found that in the last 6 months of 1932, 92 percent of the gasoline sold in the States was taxed by the States and sold for motor-vehicle use. For the calendar year 1933 the figure was 91.3 percent. It appeared reasonable to apply these percentages to the Federal gasoline-tax figures, although the gallonage taxed by the Federal Government was, in both periods, less than the gallonage reported to the Bureau as having been sold in the States.

In order to determine an approximate figure for the amount of the tax on lubricating oil assignable to motor vehicles, a ratio between the consumption of gasoline and the consumption of oil by motor vehicles was derived from results reported by other investigators,7 and from the operating statistics of official cars used by employees of the Bureau of Public Roads in different parts of the country. The average ratio obtained as a result of this study was 28.24, i.e., 28.24 gallons of casoline consumed to 1 gallon of oil. This ratio was not applied to the 1932 figures, as it was found to give inconsistent results, and a round figure of 2,000,000 gallons was assumed. In the case of the 1933 figures, the use of the ratio gave results which were entirely reasonable, indicating that approximately 82 percent of the oil taxed by the Federal Government was used by motor vehicles. In any event, however, the allowance for non-motor-vehicle use of oil is no more than a rough approximation.

The figures for the 2 years are not directly comparable, as those for 1932 cover only a little more than a half year, and the gasoline-tax rate was changed in 1933 from 1 to 1½ cents. Part of the increase, however.

⁷ National Motor Truck Analysis, by General Motors Truck Co., 1929; Bulletin 106, Automobile Operating Costs and Mileage Studies and Bulletin 114, Statistics of Motor Truck Operation in Iowa, Iowa Experiment Station, 1931 and 1933; and a 1932 survey of the American Petroleum Institute, unpublished.

appears to be due to more effective administration of the law. The gallonage of gasoline taxed by the Federal Government in 1933 was much closer to the total reported by the States than was the case in the last half of 1932, indicating that early difficulties in enforcement have been eliminated. The same appears to be true in the case of the tax on lubricating oil.

PUBLIC BRIDGE AND FERRY TOLLS

The motorist in traveling over the highways must pay tolls on many bridges and ferries, both publicly controlled and privately owned. Although no data on this subject were obtained in the survey, it was decided to obtain, by a study of available records and reports, an approximation of the payments by motorists in 1932 in the form of public bridge and ferry tolls. The material obtained in this manner is by no means complete, and is probably several million dollars short of the true total.

On April 1, 1933, the number of toll bridges in operation was given as 317 in a list published by the American Toll Bridge Association in volume 1 of its 1933 proceedings. Among these there were 104 publicly owned bridges, of which 17 were interstate and under different conditions are presented.

87 intrastate. Data on toll collections were obtained for 13 interstate bridges and 53 intrastate bridges, and also for a number of publicly owned ferries operated by the City of New York. Total collections reported were as follows:

Interstate bridges Intrastate bridges Ferries	2, 451, 22	09
Total	18 199 42	4

PUBLICATION ON ROADSIDE IMPROVEMENT **AVAILABLE**

A limited supply of Miscellaneous Publication No. 191, "Roadside Improvement", is available for distribution, and single copies may be obtained by addressing the Bureau of Public Roads.

The publication discusses briefly roadside improvement in the Public Works highway program, methods of planning roadside improvement, estimated costs, and shows typical plans for roadside improvement. Numerous illustrations showing methods of treatment

AS PROVIDED BY SECTION 204 OF THE NATIONAL INDUSTRIAL RECOVERY ACT (1934 FUNDS) AND BY THE ACT OF JUNE 18, 1934 (1933 FUNDS) CURRENT STATUS OF UNITED STATES PUBLIC WORKS ROAD CONSTRUCTION

CLASS 1.—PROJECTS ON THE FEDERAL-AID HIGHWAY SYSTEM OUTSIDE OF MUNICIPALITIES

	APPORTI	APPORTIONMENTS		COMPLETED	TED			UNDER CONST	CONSTRUCTION		APPROVED	FOR CONSTRUCTION	UCTION	BALANCE OF FU FOR NEW	BALANCE OF FUNDS AVAILABLE FOR NEW PROJECTS
BTATE	Sec. 204 of the Act of June 16, 1933 (1934 Pund)		Total Cost	Public Works Funds	Public Works Funds	Mileage	Estimated Total	Public Works Funds	Public Works Funds	Mileage	Public Works Funds	1935 Public Works Funds	Mileage	1934 Public Works Funds	1935 Public Works Funds
Alabama Arizona Arkansas	\$ 4,123,000 3,878,555 3,374,167	2,129,921	2.359.732 2.905.253 1.278.390	1.305.902 2.796.788 994.798		100.4 211.3	1.516.515 2.436.220	2.484.076 1.045.802 2.149.632		83.7 83.7 126.0	70.165	67.9% 67.9% 966.388	30.0	262.158 35.964 79.383	2.061.965 772.364
California Colorado Connecticut	7.912.928	3,966,103	5,528,348 2,854,473 189,823	4.153.678 2.634.213 189.623		190.5	5,716,704 883,839 1,385,153	3,634,268	214,960	126.3 28.7 27.8	385	217.90% 935.78%	50.4	124, 782	3,748,199
Delaware Florida Georgia	892,544 2,519,010 5,045,592	1,330,672 2,556,745	319.034 2.536.425 2.273.493	316.940		7.3 86.1 152.0	564.607 676.287 2.084.297	564,607 564,997 1,940,152		7.000	23.636	426.361	15.1	10.998	35.336
Idaho Illinois Indiana	2,166,858 4,468,247 5,018,921	3,060,041	1,262,345	1.276.551		196.0	3, 306, 429	830,103 3,280,509 3,053,606	14,243	244	38,585	104.173	7.66	61,619	1,013,494 2,985,441
Iowa Kansas Kentucky	5,027,830	2,556.837	3,160,640	3,025,900 3,890,538 2,290,576		176.9	1,439,931	1.981.330	326,600	69.0	162,225	1,097,800	231.0	8,436	1,349,800
Louisiana Maine Maryland	2,681,152 1,617,560 1,782,263	1,380,419 793,644 289,610	1,121,934 (641,315) 527,930	1,120,701 830,433 518,261		10.9	2.034.333 818.723 576.405	1.527,682 681,689 576,405	112,347	17.2	23.133	106,256	3.1	9,636	1,380,419 532,946 183,383
Massachusetts Michigan Minnesota	1,101,716 6,113,389 4,561,011	3, 226, 284	936,557 1,431,900 3,655,649	647,306 1,431,900 3,997,604	1	8.48	14,463,925 2,153,036	177,063 4,431,675	3.050	304.0	249,614	157.146	19.3	5.089	2,814,934
Mississippi Missouri Montana	5.237.532 4.463.849	2, 701, 148 2, 778, 183 2, 714, 208	1,816,051	962,859 2,983,537 3,768,707		149.7	3,566,025	1,962,414 1,985,348 664,688	171.361	8.8.4 0.8.5.	320,296	742.188 758.845 906.887	93.3	175.979	1,558,960
Nebraska Nevada New Hampshire	3,914,461 2,909,367 725,739	1,982,182	3,173,604 1,978,207 602,305	2,402,926 1.978.207 595,769		247.8 9.7	2,172,670 970,753	1.510,380 927,426 129,970		22.5	1,176	175.559	30.1	3.7%	1,206,623
New Jersey New Mexico New York	3.099.371 2.846.648 10.271.846	951.379	2.842.995 3.504.275	2,699,066 2,697,890		270.5 78.9	2,670,159 81,498 10,756,059	2.515.195 81.498 7.319.798	925,400	72.108 7.7.7 201.3		1,784,900	9.4	67.792 66.083 94.158	951,379
North Carolina North Dakota Ohio	2,902,224	2,420,471	2,137,710 2,475,087 5,085,584	1,674,633		812.3 85.7 189.5	2,604,028 702,661 2,543,440	2,360,445 502,526 2,376,483		137.2	306,274	512,884 94,208	15.4 10.0	421.795 44.834 61,132	1,375,276
Oklahoma Oregon Pennsylvania	4,608,399 3,053,448 6,691,194	2, 342, 590	2, 528, 201 2, 528, 201 2, 415, 674	2,889,519 2,409,538		142.1	1,354.993	1, 948, 757 726, 446 4, 096, 104		#0.8 66.7	13,619	846,168	16.7 10.7	100.059 23.864 69.887	2,342,590 702,738 2,774,209
Rhode Island South Carolina South Dakota	2,729,367 2,729,583 3,005,739	1,365,477	996.030 775.112 1.563.480	933.162		276.1	1.933,498	1,914,334		174.4	247.334	117.078	10.0	146.205 140.137 7.011	1,268,199
Tennessee Texas Utah	4, 246, 309 11, 568, 643 2, 374, 205	2,105,453	8,427,536	2,478,516 7.574,419		124.5 765.9 163.0	1,607.935	3, 347, 513	375.500	100 E	138,255	174,299	2.00 2.40	118,360 M2,843	1,931.154
Vermont Virginia Washington	3,706,379	1,553,206	2,497,668 1,841,533	2,439,306		120.3	420,090 1,078,656 1,336,098	969.035	163.053	34.3	10,670 68,466 46,000	173.201 233.490 226.793	5.8.7	5.067	292.842 1,649.203 1,163.360
West Virginia Wisconsin. Wyoming	2,013,405 4,615,429 2,250,663	2,823,827	990, 894 3,162, 206 1, 858, 880	3,103,546		376.5	1,163,303	1.431.100	143,948	159.5	9,320	618,057 202,500 377,188	21.6	13.299	2,021,327
District of Columbia	1,683,956	598.778	-196,115	144.003		10.4	1,524,472	1,471,913		28.5	66,000		.7	2.040	598.778
TOTALS	185,356,784	81.978.111	108,617,022	98,136,729		7.921.5	97,038,962	78.504.740	4.112.043	4,344.9	4.292,641	18,077,454	1.482.7	4,422,674	59.788,614

CURRENT STATUS OF UNITED STATES PUBLIC WORKS ROAD CONSTRUCTION

AS PROVIDED BY SECTION 204 OF THE NATIONAL INDUSTRIAL RECOVERY ACT (1934 FUNDS) AND BY THE ACT OF JUNE 18, 1934 (1935 FUNDS)

CLASS 2.—PROJECTS ON EXTENSIONS OF THE FEDERAL-AID HIGHWAY SYSTEM INTO AND THROUGH MUNICIPALITIES

AS OF SEPTEMBER 30,1934

	APPORTI	APPORTIONMENTS		COMPLETED	TED			UNDER CONSTRUCTION	RUCTION		APPROVED	APPROVED FOR CONSTRUCTION	CTION	BALANCE OF F	BALANCE OF FUNDS AVAILABLE FOR NEW PROJECTS
STATE	Sec. 204 of the Act of June 16, 1933 (1934 Fund)	Act of June 18, 1934 (1935 Fund)	Total Cost	Public Works Funds	1935 Public Works Funds	Mileage	Estimated Total	1934 Public Works Funds	1935 Public Works Funds	Mileage	1934 Public Works Funds	Public Works Funds	Mileage	Public Works Funds	1935 Public Works Funds
Alabama Arizona Arkansas	2.175.100 807.982 1.689,534	1,064,961	\$70.864 480.317 693.583	\$70.864 480.317 640,479		13.0	1,476,698	1,476,698		1.6	138.121	6.593	१	39.784 50.410	1967,962
California Colorado Connecticut	4,213,986 1,718,633 802,407	1 983,052 190,000	2.591.780 1.685.280 725.645	2,286.212		33.5	2,261,406 79,446 80,297	1,653,388 79,646 80,897		19.6	3,122	23,454	2.0	72,387	1.933.05 1.66.55 1.66.56
Delaware Florida Georgia	477,681 1,405,008 2,724,620	230.849 665.336 1.278.373	150.761	967,359		44 -	325.201 860,130 1.059,735	325.201 829,288 1,059,735		0 m 0.	4,919 6,361 309,919	MS.713		5,081	182.136 665.336 1.278.373
Idaho Illinois Indiana	1,197,829	321,126	2,454,700	2, 441, 992 8, 441, 992 800, 116		31.7	631.329	612.538	2,643	# # 7. 2. 2. 2.	418,997 265,006		4.6	72,042	315,463
Iowa Kansas Kentucky	2,514,472	1,311,000	1,802,794	1.171.315		36.2	1,240,456 865,988 749,095	1.162.300		10.00	278,100 1,016 1455,985	47.500 39.335	0 v.v.	2,757	1,263,500
Louisiana Maine Maryland	1,746,577	744.560 490.045 452.514	513.079 505.407 235.592	\$13.079 \$03.201 231.442		2.5%	333.545	884,923 332,689		8.4.8 4.2.9	59,145		4 4	291,429 73,988 238,998	744, 560 490, 045 452, 514
Massachusetts Michigan Minnesota	5,007,199	1,613,142	232.729 980,695 1,980,148	191.184 978,545		79.9	4.594.207 2.593.275 1.358.979	2,453,525	127.250	30.03	6,461	174.106	4.5.	399,691	1,314,592
Mississippi Missouri Montana	1.714.669	1,543,435	350.579	1329,518		11.5	2,456,038	1,945,070	54.043	26.6 15.8 5.1	163.917	102.253	# m/4	\$62,932 580,996 10,270	782.80k 1,414,606 113,092
Nebranka Nevada New Hampshire	1.957.240 500.051 706.640	991,091	650, 794 309, 005 521, 029	309, 868 309, 005 505, 545		6.2	1,287,538	1,264,538 172,014 184,658	23,000	100		142.789	1.8	19.031 16.438	985, 302 100,000 196,164
New Jersey New Mexico New York	3,190,118	1,809,500	1.103.683	1.103.883		28.9	2.451.433 429.914 6.961.394	2, 197, 300 429, 914 6, 355, 446	113,200	2.5.5		184.265	3.3	83,370 140,361 148,754	1.809.500 551.159 3.469.300
North Carolina North Dakota Ohio	2,380,573	1,810,235	1,434,604 701,209 2,955,960	1.431.675		38.69	508,662 347,115 1,891,560	507.170 347.115 1.650.877		20.5	326.251 403.551	61.179	6.9	115,477	1,149,057 734,742
Oklahoma Oregon Pennsylvania	2, 304, 200 1, 526, 724 4, 854, 968	1.171.295	1,124,918	1.053.325		26.3	871.168 428.289 1.766.237	670,369 428,289 1.739,161		13.6	140,326 30,841 440,769	220,600	9. W	175,270	1.171.295
Rhode Island South Carolina South Dakota	579.625 1.364.791 1.502.870	255.000 692.738 761.911	379,038	393.038		3.53	131,715	148,206		0.000	79,817	454,4	% O	38.381	255.000 688.275 761.911
Tennessee Texas Utah	6.642.863	533.173	1.234.458	2,429,256		18.6	521.513 2.853.752 38.792	2.838.639	10,900	33.5	186,439	76.929	ച ഗര ഡ്ഗ്ഡ്	80.937 411.747 114.499	1,121,790
Vermont Virginia Washington	500,509 2,008,458 1,977,260	240.611 941.347 776.603	288,685 1,070,996 1,577,681	280,343 1,045,792 1,560,710		8,5,8 0.4.4	237, 498 801,029 377,994	279,166 614,138 377,994		2.0.5	215,319	99,642	200	133,209	840,611 891.519 676.761
West Virginia Wisconsin Wyoming	1, 942,270 2,684,067 1,125,332	570.085 1.235.459 571.928	1,695.722	352.561 1.677.164 603.114		P. 0.4.	1,088,506 949,352 526,648	927.290	15,928	9.9	142	10.437	3.0	174,27	543,780 1,169,313 568,083
District of Columbia	968,235	243.460	610.011	610,011		3.9	923.348	357.994	165,350	ev ev		63.730	6.	230	14,361
TOTALS	116.103,695	W. 462,978	50,152,043	48.712.291		1.099.9	58,361,700	95,284,506	704.018	12:1	6,012,162	2,268,644	135.2	6,094,414	41,490,316

CURRENT STATUS OF UNITED STATES PUBLIC WORKS ROAD CONSTRUCTION

AS PROVIDED BY SECTION 204 OF THE NATIONAL INDUSTRIAL RECOVERY ACT (1934 FUNDS) AND BY THE ACT OF JUNE 18, 1934 (1935 FUNDS)

CLASS 3.—PROJECTS ON SECONDARY OR FEEDER ROADS

AS OF SEPTEMBER 30,1934

BALANCE OF FUNDS AVAILABLE FOR NEW PROJECTS	1935 Public Works Funds	1,064,960 1,064,960	54 1.983.051 50 518.395 420.858	36.871	3 3,319,183	8 1,258,100 824,903 1 937,584	163.272	1,554,742	354,022 1,447,312 884,500	5 722.850 199.199	460,000 735,425 2,218,500	1,167,530	1.171.295	295.000 626,137 761,911	1,075,748	159.761 900,974 775,603	570.083 1,328,246 556,576	532, 484	2000000
BALANCE	1934 Public Works Funds	10,159	28,700	167.712 29.563 433.589	14.513	3.001	124.734	18, W/4 88,077 79, 516	173,876 89,637 2,008	34,368	26,014	49,336 374,332	3,962	27.251	140.631	127	79.107	6,077	
NOLLION	Mileage	8. 3.		1.5.4	* 6.00	127.2 87.9 4.6.4	8.5. 8.8.5.	6:1	36.0	37.9	1.94	20.14	8000	15.4	4.0.4	4.4.E	2.5.3	1.7	
APPROVED FOR CONSTRUCTION	Public Works Funds		63,239	191.978	67,844	326,100	41,075	56,400	404.819 57.934	88.725 129.750 43.166	1,134,000	42.705	157,683	109*99	72, 298	71.593	154,305	93,911	
APPROVEI	Public Works Funds	490.024 55.005	11.769	493.638	213,621	w6,750	73.175	5.000	323,876	13.239		240.732 383.151 55.500	19.465	311,279	112,129	12,950	815,92		
	Mileage	35.1	143.5	21.0	237.2	198.2	38.36	55.1	57.1	12.5	81.3	137.8	175.8 332.6	17.3	75.4 176.5	18.3	24.00 20.00 20.00	m/3;	
FRUCTION	1935 Public Works Funds		189.868		60,000	3,800	523.549	33.16		397.447	899,900		102,899		105, 224			103.987	
UNDER CONSTRUCTION	1934 Public Works Funds	1.482.769	208,000	260,326 525,378 612,927	250, 524 4,093,768 534,106	1,350,150	13,000	2,362,230	1,246,917 680,570 123,005	1,164,997 128,692 165,556	\$10,192 2,073,875	975.782	1,835,593 452,260	227,407 768,414 376,779	2.075.950	288, 680 546, 855 404, 261	558,116 508,621 129,720	177.718	
	Estimated Total	1.482.769 h18.907	1,774,376 793,196 664,916	260, 326 525, 378 812, 927	316.907	1.525.282	873.530 236,549 377.919	2,397.130	1,246,917 680,986 133,454	1,562,693	510,192	975.782	1,908.852 533.275	768.414	1,035,213 2,230,251 365,511	327, 488 575, 744 404, 261	865,194 527,251 132,948	572.104	
	Mileage	F.7.5	150.7	53.7	81.6	123.8	78.4	165.9	216.7	124.4	142.1	68.2	25.55 25.95 25.95	25.50	69.1 590.1 133.1	25.5	1.4.1	5.0	
TED	Public Works Funds																		
COMPLETED	Public Works Funds	89.061 114.154 162.798	1.781.435	20, 825 752, 875 580, 820	1,087.838	972,900	322,423 822,202 486,235	367,128	2,148,405	759,498 960,180 311,826	56.550 735.923 1.524.396	1.114.722 289.278 2.232.757	1,070,482 3,201,508	185.058 474,065 801.964	835,182 3,749,970 811,709	150,200	116.819	476.040	
	Total Cost	89,081 114,319 162,892	2,152,721	20, 825 755, 468 580, 820	923.716	1.014.215 959.962 1.418.657	322.703 906,666 486,235	367.128 713.750 1.525.211	2,156,918	760.551 960.180 352.652	735.923 1.627.271	1,115,121 289,278 2,423,807	1,177,613	185.058	842,318 4,155,331 871,007	158.568 1.137.562 665.204	116,819 1,811,660 956,796	476,040	The second secon
MENIS	Act of June 18, 1934 (1935 Fund)	998,950	1,983.051	230.549 665.335 1.275.373	3.345.525	1.590,000	838.953 427.897 1.067.934	1,513,142	1.852.122	991.091 852.000 242.365	460,000 735,425 4,252,400	1,966,253	1.171.295	295,000 692,739 761,911	1,075,748	241.354 941.347 776.603	570,083 1,482,551 571,928	730,382	
APPORTIONMENTS	Sec. 204 of the Act of June 16, 1933 (1934 Fund)	2,072,033	3,480,440	1,307.816 2,320,973	1.121.562 5.410,040 602,271	2,522,401	1,396,862 842,479 891,132	488.185 3,184,057 2,376,415	1,744,669 2,923,273	1,957,240	56,550 1,272,129 3,608,768	2,380,573	2,304,199	1,364,791	2,123,155 6,012,518 1,048,677	1,699,920 1,080,673	1,118,559 2,425,385	950.234	
	STATE	Alabema Arizona Arkansas	California Colorado Connecticut	Delaware Florida Georgia	Idabo Illinois Indiana	Iowa Kansas Kentucky	Louisiana Maine Maryland	Massachusetts Michigan Minnesota	Mississippi Missouri Montana	Nebraska Nevada New Hampshire	New Jersey New Mexico New York	North Carolina North Dakota Ohio	Oklahoma Oregon Pennsylvania	Rhode Island South Carolina South Dakota	Tennessee Texas Utah	Vermont Virginia Washington	West Virginia Wisconsin Wyoming	District of Columbia.	

CURRENT STATUS OF UNITED STATES PUBLIC WORKS ROAD CONSTRUCTION

AS PROVIDED BY SECTION 204 OF THE NATIONAL INDUSTRIAL RECOVERY ACT (1934 FUNDS) AND BY THE ACT OF JUNE 18, 1934 (1935 FUNDS)

SUMMARY OF CLASSES 1, 2, AND 3.

AS OF SEPTEMBER 30, 1934

	APPORT	APPORTIONMENTS		COMPLETED	TED			UNDER CONSTRUCTION	RUCTION		APPROVEZ	APPROVED FOR CONSTRUCTION	UCTION	BALANCE OF F	BALANCE OF FUNDS AVAILABLE FOR NEW PROJECTS
STATE	Sec. 204 of the Act of June 16, 1933 (1934 Fund)	Act of June 18, 1934 (1935 Fund)	Total Cost	Public Works Funds	Public Works Funds	Mileage	Estimated Total	1934 Public Works Funds	1935 Public Works Funds	Mileage	1934 Public Works Funds	Public Works	Mileage	Public Works Funds	1935 Public Works Funds
Alabama Arizona Arkansas	8,370,133 5,211,960 6,748,335	4,259,842 2,641,935 3,428,049	3,019,677	1,965,847 3,391,260 1,798,075		119.1 229.9 108.5	7,404,144 2,073,656 4,530,736	5, 143, 543 1,590,981 1,182,780		434.8 120.4	646,642 136,121 175,162	572.921	30.5	312,101 91,598 288,297	2,069,014 3,428,049
California Colorado Connecticut	15,607,354 6,874,530 2,865,740	7,932,206	6,055,051			322.0	9,752,467	7.003.566 851.597	8 404.829	173.7	3.122	1,022,476	6.09	368,494	7,664,302 2,058,699 1,454,868
Delaware Florida Georgia	1,819,058 5,231,834 10,091,185	923.395 2.661.343 5.113.491	490,619 4,066,303 3,565,260	480,244 3,177,454 3,553,023		148.2	1.150.134 2.061.795 3.956.958	1.150.134 1.919.663 3.612.613		30.7	4,919 31,997 979,194	667,052	9844 4444	163.791 102.720 1.746.155	2,661,343
Idaho Illinois Indiana	4,486,249 17,570,770 10,037,843	2,277,486 8,921,401 5,088,963	2.710.512	2.600.538 4.304.297 2.074.369		132.0	1.811.940 12.130,666 6.605.715	1.693,464	988.99	92.1 309.7 201.7	38.585 1.045.889 611.860	172.017	17.6	153,661 115,839 746,586	2,038,583 E,620,459 5,088,963
Iowa Kansas Kentucky	10.055.660 10.089.604 7.517.359	5.116.361 5.117.675 3.618.311	5,395,243 6,660,246 4,341,365	5,170,115 6,647,509 4,295,499		136.0	5, 276, 539 3, 868, 600 2, 650, 532	4,493,780 3,436,768 2,463,578	330,400	26.5.3	324, 850 5,327 618,210	1,692,606	322.1	66,915	3,314,561 3,424,867 3,098,501
Louisiana Maine Maryland	5, 626, 591	2,963,932	2.253.385	1,956,203 2,155,836 1,235,958		119.6	3,824,380	3,291,136	335.896	76.0	155,453	189,426	15.0	186,703	2,963,932 1,186,264 1,456,564
Massachusetts Michigan Minnesota	6.597.100	3,350,474 6,452,568 5,425,551	3.126.345			97.6	5.177.603 9.474.330 4.320.770	5.046.927 9.267.630 2.950.600	130,300	24.6	127.088 256.075	638,000	13.6	215,466 88,327 633,616	3,350,474 5,684,268 3,962,283
Mississippi Missouri Montana	6.978.675 12.180.306 7.439.748	3.540,227 6.173.740 3.769,734	2.166.630 7.020.434 6.750.530	1,300,978 6,461,460 6,466,318		6.45.6 54.5 6.45.6	5.526.977	3,921,367 4,611,288	252.213	346.8 132.3 99.0	875.755 260.946 45.318	844,440 1.238,441	242.3	880,575 846,612 22,732	2,695,787 4,683,086 2,804,913
Nebraska Nevada New Hampshire	7,828,961	3,964,364	4.584.948 3.247.393 1.475.986	3,247,393		392.2	5,022,902	3,939,915	420,447	67.7	13,239	907.074 314.952 55.645	173.3	79.579 57.153 16,514	2,636,844 1,988,304 867,615
New Jersey New Mexico New York	6,346,039 5,792,935 22,330,101	3,220,679 2,941,700	1.263.279 4,682,802 7.100,899	1,262,382		143.5 143.7	5.121.593	4,912,495	1,938,500	19.9 90.6 328.6		934,562	69.3	171,162 232,458 213,408	3,220,879 2,007,136 5,850,021
North Carolina North Dakota Ohio	9,522,233 5,804,448 15,464,592	2,941 2,938,967 7,865,012	4,687,435 3,465,574 10,465,351	4,221,030 3,248,481 9,728,236		25.5° 25.5° 25.6°	4,088,473 1,454,096 6,133,470	3.843.397 1.253.961 5.605.763		286.3	671.258 882.539 55.500	94,208	102.6	586,608 419,166 95,092	4, 224, 173 2, 844, 759 7, 865, 012
Oklahoma Oregon Pennsylvania	9,216,798 6,106,896 18,891,004	4,685,180 3,097,814 9,590,788	4,450,946 4,755,264 8,234,174	4,407,631 4,393,326 8,169,747		339.3 135.1	1.781.889	4,054,739 1,607,016 9,939,135	102,899	273.2 74.1	168,400 144,160 595,800	2,128,740	854 000	286,028 62,095 186,323	4,685,180 2,093,963 7,359,149
Rhode Island South Carolina South Dakota	1,998,708 5,459,165 6,011,479	2,770.954	1.574.126	1.511.259		116.4	3.433.628	3,614,059		302.6	180,667	166.143	15.5	111.836 236.185 301.576	1,014,572 2,582,811 3,047,643
Tennessee Texas Utah	8, 492, 619 24, 244, 024 4, 194, 708	12.291.253	5.075.301	13.753.645 3.204.161		375.5	3,264,661	3,173,903 6,262,102 635,939	429.164	137.6	1,299,588	174.299	57.1	339,928 928,689 154,618	12.291.253
Vermont Virginia Washington	1.867.573 7.416.757 6.115.867	3,765,387	975.806 4.706.225 4.064.417	955.814 4,580,230 6,042,477		299.2	2,455,428 2,118,353	901,088	163.053	25.0	296.735	244, 794 323, 691 326, 635	15.7	109.704 14.351	703.213 3.441.696 2.616.724
West Virginia Wisconsin Wyoming	4, 474, 234 9, 724, 661 4, 501, 327	2,280,335 4,941,837 2,287,712	1.360.275 6.689.591 3.419.294	1.360.275 6.487.552		113.6 310.9 530.5	3,117,003	2,906,240 2,867,011	159.876 435.571	137.4	73.637	628,494 422,951 392,540	26.0	95,368	1,491,965
District of Columbia Hawaii	1,918,469	973.842	1,086,051	1,086,051		0.60	1,095,148 2,002,190	1.649.631	269,337	33.4	66,000	157.640	5.5	11,426	546.865
TOTALS	394,000,000	200,000,005	203,543,864	189,886,386	13	13,902.6	203,026,793	176.997.143	6,918,203	8,831.3	13,838,726	24,985,001	2.886.4	13.277.745	168, 396, 796